

working at the buganville, in  
with I hear later up Rubraeae.

Peck has such a charming  
collection of Illinois plants.

I hope to take my vacation  
early this year & go to Acapulco  
with Max & the girls - week is  
just for a month & so get also  
the quiet - museum for work

here. When I shall have little  
to do in the Gardens. - & before the  
R. S. will claim my time. There  
is much to be done there in the way  
of reform & business procedures  
etc. & the new apartment with  
Museum & good deal of consideration  
in the matter of the Library etc.

We are all well & in state sev-  
E. Peck  
J. H. H. H.

June 12/73.

Dear old man

Thanks for your note &  
the plants coming to Herb. of which  
I have told ahead. Apology I  
had nothing whatever to do with  
the application for Review of  
Gen. Plant. - I should have told  
you if I had. - Certes I am glad  
if it <sup>is</sup> <sub>as</sub> it appears you have  
not a good word to spare for the  
unhappy Rubraeae! (Ente now  
it was sent to you for correction

of prep.) - Well, whatever may  
be said for the General work, I did  
think I had corrected more  
blunders, & <sup>taken</sup> ~~sent~~ more <sup>out</sup> ~~sent~~

their wrong places & put them  
into their (approximate) <sup>ones,</sup> right <sup>ones,</sup> than  
it has fallen to mark  
Bretanets to us: a single order  
of any size in late years - However  
no one is a judge of his own  
performance, & I dare say I exaggerate  
the difficulty of the task, though I  
cannot well overstate the years I  
spent in depicting & redempting  
what are really little better than  
bits of coal to get at the insides  
of. - I shall reserve my defence  
(if I can defend myself) till the  
article appears.

We have just returned from  
a little tour in the left bank of  
the Rhine, the left county, which  
we (wife & I) went with Lubbock &

Mr & Mrs Genth. - Duff (Under-Lay for  
India) - we were only 10 days  
away, & saw Luxembourg & Treves  
for the first time.

I have written to Longman to  
send me a copy of *Deuism &*  
*Maouti*.

I am getting in with Flora of  
British India, but the perpetrating  
work which Masters works <sup>is done</sup> has  
thrown me out terribly & gives  
Dor & me a deal of very  
unpleasant work - Helgevalter  
break down is disastrous: no  
less than Thomson's.

Reuther is at Mimosa for  
Masters' work. A pleasant-  
young man of the name of  
Michele of Geneva is here &

Wife & boys at Easton. -

I & wife alone here - Harrietta  
visiting in Gloucestershire.

She has got through a splendid  
Botany course to the School teachers  
at S. Kensington. An hour's lecture  
in the morning is followed by  
each student spending 6 hours  
with plants, pen, ink, paper,  
pencil, color box, microscope  
& depicting <sup>no books</sup> ~~in~~ <sup>the</sup> ~~subject~~ <sup>the</sup> ~~of~~ the lecture: & in  
6 weeks they have seen *Straw*,  
*Elephantia*, *Pollen-tubes*, *Embryo*  
*sacs*, *Fern* *impregnation*, & *Fungus*,  
*Muscularia*, & other classes. *Chamae*,  
*Pernicularia*, - besides general  
*Morphology* - & *Anatomy* etc  
*Morphology*. Much is continued  
in the greatest move in *Botany*  
teaching ever in the state.

Aug 8/75.

Dear Gray

Shamrock returned  
from a very pleasant trip into  
the Ayrshire, Galloway, Mont-  
rose & Ardsheer country, with-  
out any, who I left at Baden  
Baden last week very much  
improved in health - he is  
a capital companion & we  
were as jolly as midges at  
the cruise - & as idle - though  
we did toil a bit at the  
wonderful geology.

Prof Crepon is here under  
Sir W. Thomson; he was

John sent me some letters  
last... Owen is at Jersey.  
- Newman has worked at  
Minors for Mrs. Mayle &  
My bronchitis was no great  
attack, but at my age! The  
pneumonia became a bronchitis.  
I shook it off a big little town  
in the lap with Lubbock &  
Grand bluff - but I shall catch  
it again next spring without  
a doubt.

Thank a thousand my dear  
friend a very cordial welcome to  
N. R. I. I shall do my duty  
with my might - but I do feel

growing oppressed with the  
project. Thank goodness such  
times retire on approach with  
me. How glad I am that  
you have Salvator's paper. -  
William Pitt. John also knows  
as a gift, the finest British  
collection of land.

I have seen Curran's answer  
to the Bill is chancey - he really  
should be ashamed of himself.  
Having positively no defence; &  
his pretensions of having done  
much to prove it is absolutely  
false. I fear he is a bad fellow  
& am very very sorry about it -  
No such sad thing for  
Notary.

I wish you respect for James  
& Rob.



Aug 8, 1873

To the different orders &  
Baker's help & recommendation  
has been an enormous aid  
to the establishment

You are very benign & good to  
have noticed Dr. & Mavick's  
need & notice & I'll have -  
I can't for the life of me  
remember when I got the  
notice of Sarcocolla rubra  
(alias purpurea)

Baker has sent me the  
order of Ghiesbryt that he  
has or will have to send.

I hope that the friends

Young Rep with please  
you.

I am going to make a  
cold Porney this autumn,  
& shall be glad of any  
of your Fern roots common  
+ rare. I particularly want  
American <sup>roots</sup> specimens of  
the European species.

In that move Survey  
Natural Reports <sup>of 1845</sup> are  
coming out to comment  
i. f. d. & books  
us - it is really too bad.

I am heartily glad to hear  
of Sullivan's' Supplement.  
Herby writes: good health  
& spirit - for Switzerland.  
The J. Kuningham Museum  
is the part under the  
B. M. Trustees.!! Really  
the Gladstone's book is  
simply mad. I  
suspect that Kees had  
a very narrow escape  
indeed.

Very aff,  
J. Hooker.

work like I have my pink-  
labored through. The Harker  
men are at Woodbury &  
Lathrop with the children

I have just received a  
superb set of Yellowstone river  
photographs from Mr. Hayden.  
I do hope I may get them  
next year.

Thanks for yours of Aug 24.  
The Hydrocotyle seeds, I  
shall be most glad of  
the plants. Our Herbarium  
ground is improving fast.  
I have been doing work  
to get proper soil adjuvants

and

Aug 27/93.

Dear Gray

We have with a  
fragment of Gastroparia  
harknessii - Herb. Keck &  
Benth. & Gray - Can you send  
me some in letter? etc.  
I called in the Herb. is  
Vitis idaea, sure & certain.

I am grievously perplexed  
with variance. I can't  
put Cryptocarpus with  
byrrhoea - which is a  
small natural little group  
(of 2!) - and am not a

little suspicion of *Eosporium*  
though I have examined many  
of the species & found the  
fruit character to hold -  
Still I find *Vaccinium* that  
about have thickened walls  
to the divided 2890 cells  
& the number of scales in the  
cells is a sharp distinction -  
However I am content  
to let well alone there.  
The angelic Miss Sullivan  
has not come yet - I  
shall be very glad to see  
the whole party - You

must never forget to give  
me letters of introduction  
- it is getting a sort of sight  
of your dear self.

I am very busy, Dyer the  
housekeeper having deserted  
me at my Dyest-wood -  
i.e. the whole time I was  
at home he was staying  
at J. K. Lintner's & not  
able even to open my letters  
& on my return he was  
unwilling to & had to  
take his holiday by a  
excursion at the Volunteer  
Camp at Dartmouth, so  
I had never & able to



AUG 27, 1873

who are practicing at Dartmouth.  
Your actual election as F.M.  
with intercourse till November.

In affairs

J. B. Hooker

Manchester is going to America  
to investigate Phylogeny etc.  
I have advised him to  
make straight for you.  
Guelah is in Switzerland.

All serene at New, but we  
are always striving for  
better Elitism. - Variation I am  
just upon that. After all  
John is the present Ministerial  
charges. That wonderful man  
Madison asked me to breakfast  
yesterday - There were only 4 of  
us & for 2 hours he kept us  
prisoners with most fascinating manner  
& conversation on the manner  
of subjects except politics!  
After before it was even  
announced that he had  
orchestrated this wretched  
juggle of Ministerial charges.  
That appeared in the <sup>papers</sup> today.  
That same evening ~~when~~ he dined with the  
Medical Association, & I am  
told fascinated them! Much  
as I reprobate his administration  
partly I cannot but regard him

a a marvellous man, so  
simple, modest, kindly  
& ardent.

above all  
in forgiving. - for my name  
should be poison to him.  
I do suppose that there changes  
on the beginning of the end, & a  
preparation for resignation:  
he did say to us frankly how  
much he longed for complete  
rest. Now a quiet little  
breakfast, in the corner of the  
drawing-room at a little  
Round table (with Palmer,  
Richmond, Nass & myself)  
which I shall never forget, <sup>with intellectual enjoyment</sup> ~~which~~  
is associated with the queerest  
shuffling of cards & shuffling  
a cabinet. That England has  
perhaps seen seen - only fancy  
G. holding the Chancellorship &

the P. M. & himself, & fancy  
giving some the Home Office  
& some taking it!!! - I bring  
back Bright, who all the world  
knew is used up for business.

Now my sister Lizzie  
indeed is in a new way  
for (Myself) St. George's - I  
was at High Water House  
she has been better all the  
winter, but bad again in  
Spring.

I am scribbling on at a pile  
of letters & official documents  
which increase on my hands.  
I wish I could  
show as showing confidence  
on the part of Govt & News.  
I am off for his holiday  
in January & the Oxford Papers

Sep 1<sup>st</sup> 1873

Dear Gray

I am puzzled by your  
Pleuriscus - We have  
but one specimen (Plant.  
begon 357 St. John Hall). which  
differs from your character in  
Pro. Amer. Rad. in  
Filamenta pilosa  
Antennae 16-seg, 1-4-seg, 1-  
magnae.  
Ovaria apice obtusum, hispidi-  
culum, 4-5-locular  
Flower capitate.  
It resembles Remiomeris a,  
figures in Newberry very  
much - except in the shape of

The author, in the *iripidulosa*  
way, the *praecitata*, &  
the *Sepala* & *petals*, which  
together agree with  
the *Mercurialis* <sup>description</sup> ~~here~~, except that  
the flower is sometimes  
3-merous & the *sepal* ~~sacra~~ <sup>at</sup> ~~here~~ }

I send a flower for  
confirmation. I find an  
obscure dark, & a very  
pale one in *Alstroemeria*

I have neither *Schweinitzia*  
nor *Newberry* - may send  
one scrap. as soon as  
convenient.

We have no *Mariposa*  
<sup>for coll. Maudslayi</sup>  
*Shumner*, but a ticket, you  
wish to replace "substitute  
for 4997" by you.

Very sincerely  
Yours

J. S. H. H.



Agauria. Placenta basilar, seeds  
filiform tract (apricot-like)

+ Agauria, Placenta median in  
axis of thence angle of cell  
= seeds scabrous. (Brazil)

Convolvulus (holopobioid) +

Epigaea

Cephaelis

Cephaelis

Calyptanthus.

I have been asked very acceptable  
species --

Thanks for yours of Sept 5 just  
received.

Prof. Wilson should be known  
to me - I forgot who introduced  
him - but he has been after  
him & I last week gave him  
a bag of (120) of of seeds  
for himself & another box of  
Rhodod. for present.

Sept 16/93.

Dear Sir

How do you find that  
Peridendron case is valuable?

in fact it is so minute & much like

that it may be any thing - the  
segments are ~~multicellular~~ <sup>multicellular</sup> ~~multicellular~~ <sup>multicellular</sup>

~~that~~ (as in many other Andromedaceae)  
I find 2 bracteoles, with distinct!

Distichon archaris has a good  
petioles in Catubosi, & leaves,  
sometimes acuminate, very

= what do you make of Japandrea  
angustifolia, Dur. & C. VII, 610.

is it a minute? Chapman  
makes it a var. of sub of 35.

Chapman of calicula in Herb.  
Book. I find none like it -

Our only specimen is cult. for

Herb. Socy

In fact with fruits of Japandrea

nothing but figured  
"fracture" near base

I do not find that rigmarole about  
 the 5-valved outer & 10-valved  
<sup>inner</sup> ~~broader~~ layer of the valves. — As  
 they begin, they <sup>valves</sup> break up the  
~~articles~~ of course. Irregularly &  
~~irregularly~~ concentrically.

The seeds are 2-seriate, with  
 common characters amongst ~~Andromedaceae~~  
 The seeds are very curious with a  
 huge thickening of testa on one  
 side, covering half the seed as  
*Gortyna* figures it.



Will you would send me  
 a specimen of leaf & flower of  
A. Mariana, my specimens,  
 if right, have subcampanulate

corolla (like speciosa) &  
 no trace of horns at apex &  
 of filament in back of  
 rather. With characters  
 do not agree with verus & Pieris;  
 it is a very different <sup>looking</sup> thing  
 from A. nitida.

I must either turn the  
<sup>locustoides</sup>  
 the Andromedaceae into one  
 genus, or make many. — &  
 Bentham approves of my keeping  
Pieris, Am. Am. Japon India  
Zenobia - Cor. campanulate &  
 4 aristate anthers (10b.)  
Oxydendron anthers with ribs (10b.)  
Leucothoe - membranous capsule  
 N. Am.  
Lycopodium Placenta at tip of cell  
 seed filiform, pendulous.  
 Capsule valves with very thick  
 edges.

I am introducing to you my friends  
Mr & Mrs Rothery, who  
live over at  
Fishing,

Ames - a most interesting  
man, who is quite an expert  
I forget what, collector. There is  
a good deal of plants. Lawrence Smith  
wrote & sent you letter last  
week, I invited him & wife to  
meet Rothery at dinner, but  
he is broke ill & could not come.  
He is off somewhere & says that  
he will call on leaving England.

I am so glad to hear of the  
Hobbes & H. N. are going on.

As soon as Walter returns I  
shall send to Ego's plants.

We are off to Bradford tomorrow  
for the Association - I go  
with the Greenoughs & as

a chief crop. I am quite sick of

These things - & shall have  
enough of it with N. S. - to pack  
them enough here! We have  
already 100,000 winter more  
than last year! And I wish  
I could show you the improvement  
in the scientific management &  
raising of the North American  
the Guelph.

We are all well.

Yours

J. W. Hooker

I am much obliged for the  
Address in Leeds & the  
visitations.



Priscilla Allen.

My dear

W. W. Allen

Oct 21/3.

Dear friend

I have to thank  
you for the letter &  
the manuscript &  
notes - but have no  
time to answer at  
this moment - I am  
working hard to get  
out a part of Flax &

Rich. Muller's work has  
been altogether stopped by  
mischance. so that I have  
had to do most of the  
past myself.

Thomas's life was great.  
All Anderson's work I  
had to re-do. because  
of his death. Poor  
Edgeworth is now dead  
(he is greater than the combat).

as far as work is concerned,  
that I had to do. <sup>Other</sup>  
which was again -  
Master was dreadfully  
canceled, that I & I  
had to be very much  
written who was to

run some part, so as to  
be Rich. Muller: & could  
not go on with this  
part. Altogether it has  
been an awful defalcation.

I have just done &  
then make later who

analyse the petals better.  
Thomson's illness, Anderson's  
death, Selgworth's failure of  
power, have borne heavily  
upon me. But this is however  
justly expected & I am  
advanced. I shall then  
ret. to Venice again & finish  
off the Monstroses -

How queer, we de de part.  
You objecting to my genus of  
Andromeda, each of which  
has many species, & to  
your monstroses Monstroses.  
After all each group must  
be a law unto itself in  
the long run. I must make  
you American friends of

Nov. 2<sup>nd</sup> 10/73

Dear Gray,

I have little news, being  
very busy with London, amongst  
which the new arrangements  
of Linnaea & Ruppel have  
occupied a good deal of  
time. The new apartment  
are very fine indeed, &  
Kewthorn led off the other day  
in grand style. It's a large  
meeting:- but though  
out of debt & with a couple  
of thousands pressed over  
want members, & money for

more rapid publication in  
the journal. Our publications

cost us £500 to annum -  
receiving private help -  
a very large sum for so small  
a Society. - My travels  
begin in the 14. Whatever I  
may hear we shall be well  
told of it, who has been  
any thing but a considerate  
President, & whose conduct as  
Chairman of committee has  
been simply atrocious: is a  
bunch of points of view -  
He has never shown a shadow  
of feeling towards the Society

collecting or individually.

I have asked B. about your  
paper on *Symphoricarpon* &  
which was read long ago  
I believe.

I have not recommended  
ab. Gen. Menth. & Vaccinica.  
not having had to spend  
a moment's deal of time  
over matters out of the  
columniform order which  
an abominable couplet, I once  
saw ~~reads~~ <sup>under</sup> at Selworth's  
from beginning to end. &  
rewrite them. - & to do  
impaleen again we  
understand 120 species -  
- & probably more. could I



Andromeda, I am with  
my more abundant.

Let the American ones -- or  
all must go into the fresh  
series. I must accept  
your judgment as to  
the essentially N. American  
group of Monotropice.

You are not too late  
about Aquilegia chrysantha  
Please send me data as far  
possible, it is May.

Thanks for Pensilvania &  
Romney. What a fine  
thing the latter is. Also  
for Pleurospora. Also for  
Guisney & roots & seeds: all  
is splendid order.

You say "nothing like *Laportea*  
*argentea* known in N. Am."  
- but see Persh I. 291.

I send you by Post a  
packet of *Pinus* seeds  
intended for Hillebrand  
of whose whereabouts I  
know nothing - will you  
send or sow them - I  
do not care which.

Wm. G. Safford

W. G. Safford

I. R. M. S. Safford was here

a week ago, she is no  
bitter at all. We had Dr.  
Hillebrand to see her also  
can find nothing against  
her. She seems now  
to suffer from depression  
of spirits. -

Dec 1877.

Dear Sir,

I return Newberry,  
Plumicarpus & Schweinitzia  
4 not Registered - I have  
ventured to keep 2 flowers  
of each. We had none  
of these in the Herbar. : now  
is Schw. : Herb. Lary !

The Apple cake is arrived  
in Sydney - 1000 Thanks -

You will rejoice to hear  
that I have a new Monstrosia  
for Khawia, near Pleuriscus!  
Monstrosia I hope! -

As letter for me  
in paper

J. B. Hooker.

I have thanked you  
for the Scheuchzeria  
specimen you sent.  
It is Scheuchzeria  
which was sent  
me before

2. Her. Nat. her. which  
Laura has done, but is  
unhappy that the sub-  
scr. in may have grown.  
Wrote to my misery the  
sup. of Nat. May. of this  
month has from action &  
I am desolated.

I agree, will you about the  
 French Academy - I have long  
 wanted to enter the smallest  
 interest in their big and virtuous.  
 Certainly putting wild stories  
 A.D.C. name amongst the  
 immortals. - The Paris committee  
 & I cannot ever correspond.

Lu Jia

Wm. H. Miller

My Mother & Sister - Subscribed a paper  
 subscribed by  
 Museum  
Apocryphal  
 together  
 made  
 Me  
 two  
 on  
 duty  
 price  
 covered  
 We  
 it

Gray

Can you get me  
Museum specimen of St-  
Aspergillum canabarium fibre  
together with any articles  
made from it!

May thank you  
two Florida Cubes which  
are quite new ones; I am  
delighted to get them. My  
services: first rate  
condition.

We have Scarlet-fever  
in the House which is a bore.



but youngest; Grace, has  
it slightly.

I have no new - I am  
working away at *Sarracenia*  
& *Nepenthes* &c. I do  
not find the sugary secretion  
on the wing of our English  
green specimens of Flave  
or any other, but I find  
it on the pistil tube & on  
the under-surface of the  
lid. I have made out  
the secreting gland.

*Sarracenia* & *Drosera* &c.  
they are most minute.

*Cephaelis* is the most  
common of the W. I am  
troubled with it.

*Nepenthes* increases its  
secretion largely on ~~the~~  
taking food, & the  
substance changes: the  
cells of the gland is  
most remarkable. I think  
that the gland both  
secrete the fluid &  
absorb the nutriment.

I am now at *Clatonia*

New Nov 25/74

Dear Gray

I find several things  
unanswered in your last letter  
to me.

Victorinus Petrus arrived in  
perfect order & is I think quite  
safe - I am writing to Dr. Petrus  
to thank him.

Yes Trudale is hearty. His address  
will do good, though I should have  
preferred its coming unofficially  
from him. Unluckily it leads  
nowhere - but that is the fault of  
the subject. It is as we strain  
our eyes into the dark; - but then  
we can't help doing it,!

Myra's loss is deeply felt here.  
Lovering's address is awfully  
hard, but seems to me just  
what I can't follow half of it  
now can Darwin.

We liked very much what we  
saw of young Jackson. He spent the  
best part of a day here. He was the  
best of good many friends that  
my wife saw.

We have Sichuan edible. It is  
the solid: London as Hypocissus  
cucumbers, a some such name.  
Nobely (I think) or a waste on  
its Germination, is good. Oh yes.

Bouray Price is no favorite at  
all. a great rattle - blower of  
course. The other Oxford Pub. (Barth)  
Price is charming, & has ten times  
the other solidly & serene and  
culture too.

I am writing to Sargent. I hear  
he thinks as you (but not bad)  
conspirators - but really our  
conspicuous above the world  
for plenty of all sorts is as low  
& that for Government institutions  
Colonies &c, is wrong, that the

private contributors are <sup>too</sup> often left in  
the lurch. I think he took a fair  
lot of trouble away with him: &  
the box of books we sent him  
the other day, was worth - I am afraid to say  
how much at trade price -  
He does not complain of us. I am  
glad to think, & is very prompt  
& pleasant & ever abundant indeed.

Yours Affly

W. D. Hooker

How is your husband & Peter?  
Doing?

New York 26/45-

My dear Gray

Thanks for yours of July  
5<sup>th</sup>. I shall be very glad to see  
young Jackson again. With  
kind regards from mine  
I am, Sir, very truly,  
Yours, Sir, very truly,  
Sir.

Andersson seemed wonderfully  
well, but still suffers.

Medelek was at work on M-  
Anderson Desencias whose name  
is given.

In *Sereno Watson* you have  
xxxiii. for xxxiv. quoted under  
*Mertensia* - a very minute  
blunder that cost Baker & me  
a world of trouble. Also lower  
down Corolla 3-4" instead of

something else. I am figuring  
Mr. Alpine. a pretty thing.

I am getting rid of a lot of  
books, & "selling up" a little  
to "raise the wind" - Do you  
suppose any N. Am. Library would  
give £20 for a complete copy  
1/2 bound of "Attention" for  
commencement to about 1863?

I have some good Bot. works  
in duplicate, not needed for  
my <sup>working</sup> ~~private~~ library here which  
I keep up well. Shall I send  
you a list of them? -

Hannah & the children are gone  
to Boulogne for 6 or 8 weeks. I am  
alone here. Wally is with the volunteers  
at Aldershot. Charles Frithing is Yorkster  
he has passed Pres. Smith's exam. at L.U.

Aug 24. Jackson sailed last  
week & took his plants  
which will I hope be acceptable.

I go for a week tomorrow to  
my friend Hodgson's in Gloucestershire  
He avoids the Brit. Apr.

Thanks for your of July 27<sup>th</sup>.  
I am deeply concerned to hear of  
the family failures.

Yours truly

W. B. Hooker

Hooker is making an excellent  
medallion of Dan Hanbury



April 12/76

Dear Gray

I am tiring away  
at Amaranthaceae, & am  
bewildered with  
Senecio & Montelia

I find nothing with  
Circumscription fruit answering  
to St. Gray Montelia.

Will you kindly name

The enclosed.

I have seen  
Prof. Quincy, - at my  
joiner - but have  
lost sight of him again.

Yr aff.

W. H. Miller

I fear that much  
work Amblage is  
Amman as has  
Newman, & probably  
Menges will follow.

Room wanted.

1/2 to 3/4 of a room to  
the Ministry - the 2-  
Military with Stanley  
for a fortnight. I want  
rest by last.

E. M. W.

W. M. W.

How do we stand as regards  
H. G. G. I presume all  
proceeds of the subscription  
for expenses of publication -  
shares enjoyed (Grouse) on  
Malina (Maringaji) Lickers,  
- this is a private matter  
altogether

Merchandise as  
life is worth  
your reading.

London May 18,  
April 27/76

Mr. Gray

I write to thank 2-  
by that you share 2  
I. Stuart Smith's letter.

over at once. You may  
remember that Miss Taylor  
(his <sup>young</sup> daughter) offered the whole book to -

Her - finding that it  
contained heaps of duplicates  
I advised her to let us  
divide it, keeping a  
complete set for New &  
the sending the rest elsewhere  
especially to America. To this

Send me a little of thanks  
to forward to May 7

that on a printed. To please

A map now given to you  
which should be ticketed

Heb. of St. Miles ~~for~~ ~~Heb. of~~  
presented to ~~the~~ ~~map~~ ~~to~~

& which are must ask you  
to select from & either send

direct the duplicates (a  
between Bolander, ~~to~~ ~~of~~ ~~the~~

~~Pringle of Vermont~~ &  
more

Hebb, or any other ~~deleting~~  
parties. - wholly annexing to

your judgment. In your  
case you might charge the

suspensions with the  
repeal of selection &...

Please send me specimens  
of Amaranthus pusillus,  
in the "272 New Orleans  
Ornament"

I put aside for you (see  
also) enclosed prints of  
Luncheon accumulations.

Please send L. Davina  
a return.

A million thanks for  
your kind notice of  
Primer & corrigenda  
long one of which shall  
be attended to -  
about 15,000 copies  
are sold! so I hope a  
new edition with an

Pringle has suggested plan

(to the books)

I returned from a week's tour in  
Wittany last Saturday, had a little  
repair in a beastly boat & arrived  
at afternoon at 6 o'clock in time to  
dine for a "Banquet to the representa-  
-tives of Science" at the Museum  
House, where we lay half sick &  
headachy. I had to go through a  
long dinner & make a long speech  
to my horse & disjunct. I have  
taken cold & bronchitis therefore.  
I feel very good for nothing. I do  
hate these banquets, which are  
simply tremendous displays of luxury  
& spirit of <sup>deplorable</sup> civility & "stump  
oratory". I look forward to the  
next to her return home to be on the  
Lord Mayor's right hand.

No more at present from  
your affluence

R. H. Allen

Newtham wonderfully well.

May 16 '75.

Dear Gray,

Many thanks for your letter  
& information about Science. which  
it's jiggles me - I have nowhere  
found in the any specimen of  
A. <sup>tamariscus</sup> ~~tamariscus~~ & of the number  
you quote, of Wright's Lindheimer &  
Fowler the only one I find is  
Benthams Herb. by Wright  
582 & parts which is Arctostaphylos  
unclata. Of course the parts  
show that the rest must be  
very here I must have a  
mistake. Meanwhile I have  
examined the maps you kindly  
sent of Inst. 737. I do not find  
the whole to be circumscribed, but  
irregularly numerous, with here  
& there a tendency to transverse.



find the same trace of what  
I sent you as A - makes  
an enclosed A<sup>2</sup> from Dorman  
what except it is removed  
parts seems the same as A.  
This <sup>A<sup>2</sup></sup> came from Dorman mixed  
with tricholus viridis No. 311  
(~~Louisiana~~) (St. Louis)

(as A<sup>3</sup>)  
I also send 240 Texas Dorns  
what I suspect is ♂ of A<sup>2</sup>. & if  
so = tuberculatus - it has flower-  
- nodes sometimes  $\frac{1}{2}$  in. diam.

You ask if I have Chapman's  
Amide from Florida & what  
the ♀ looks like - a general way  
like the ♂ - Can it be a  
Chamisso? what should  
touch Florida.

I have no W. India Amides

but the very young single  
specimen from Trinidad  
with very long leaves like  
A. carnabaria.

I wish that I could keep up  
Amblyopne, but an examination  
of the Amblyopne disparatus  
obliges me to follow Beutham  
in grasping it; as indeed  
do the S. American species -  
The Amaranthoides Amaranthaceae  
are a bad lot. Amaranth is no  
doubt a good genus, but a  
puzzler.

I shall put these beasts by till  
I hear from you again, & go on with  
other Amaranthaceae - I do hope  
that you will get good specimens  
of all for mine are wholly  
insufficient.

June 2/76.

My dear Gray,

I have yours of May 8<sup>th</sup> & 19<sup>th</sup> to acknowledge. A. big box has just gone down with the J. S. Miles collection - & I then will be able to wrap soon & believe me.

Meanwhile thank you much for Amoranthus Powellii. I am puzzled what to do with it - its habit is so entirely that of an Arceuthobium, that I should be disposed to put it into that genus despite the deliriousness of the utricle, which is a very variable character in several

*Amaranthus*.

Many thanks for A. purpureus / Saxifraga  
we have it now. I send  
herewith the plants I thought  
might possibly be it - what  
are you making of it - ?

I have no desire to raise  
the price of Geo's plants. Thanks  
of course the more you take  
the better!

I am delighted to hear that  
I have satisfied the old judge  
to some purpose!

Your kind regards shall go  
to Henry. No more at present  
from your affec<sup>t</sup>ed  
B. Hooker.

when the R.S. Officer agreed  
with me that the work was  
vastly increased beyond that of  
any previous year.

I suppose that this will  
find its sweetest amongst  
the mountains, where  
such I were with me

in dear love

affly yr

J. M. Hooker

July 10<sup>th</sup> 76.

Dear Sir

I cannot admit that  
Drummond's glaucous 272 of N. Oakes  
with straggled leaves is your  
Encolus crispus, which is pubescent,  
~~has~~ has ovate-lanceolate acute  
leaves, & is a garden plant. Further  
272; has 1-5 minute unequal  
serrate (bract?) <sup>whit.</sup> Encolus has  
4-5 straggled even sepals. They

have grown to do with one another.  
<sup>here</sup> Encolus

I ~~best~~ give plant <sup>2</sup> for yourself  
in 1874 & it is the ~~right~~ <sup>same</sup> plant.

I take 272 to be Mentzelia californica,  
Nutt., at any rate it is  
Encolus polygones Muir's form,  
the variety of M. tenuifolia  
which we have also from Africa. The

Genes should go into Euphorbia &  
<sup>except</sup> with regard to your criticism  
on Clethra authors, I do not see  
how your verdict differs much  
from mine, now what you are  
driving at exactly without going  
over the ground, I know the  
bare assumption that I merely  
followed Baillon! I never do  
<sup>or</sup> blindly - I carefully inspected &  
Clethra rules & you will find  
my drawing in the Herb. if I  
remember aright. - Heavens  
knows that I have made  
blunders enough <sup>up my own</sup> without saddling  
myself with Baillon's ~~which~~  
own whose assumptions &  
invariable text - though of course

with a bias to their being right  
except in <sup>new</sup> points, or when he differs  
<sup>from</sup> others, when there is no smallness  
near to doubt - whether Thunberg  
or observed. I do not see how else  
we can use any man's work,  
good or bad, Of course I may  
slip into his blunders, but that  
is not unpariing because I have  
not looked for myself.

I have no news - beyond what  
my last letter gave you - I  
shall remain in Hamburg & work  
here till end of August, when  
a fortnight with I hope settle  
matters of the Altus & British  
Association & then I shall  
have to prepare for the R.S.  
work. I hope that I shall  
not have so prodigiously  
heavy a session as I had last.



In the Prime, 6-saturday Dec 2  
 H. J. Keen's teaching, I have  
 August. { Dist.  
 { Memoir.  
 { Summary.

New March.../yy

My dear Gray,

You letter has interested  
 me much & put the matter  
 of Gymnasia <sup>on a right</sup> ~~on a right~~  
 footing. <sup>My object is writing</sup>  
 was not so much to have  
 your view & reference to  
 any thing I was publishing,  
 as to gain some insight into  
 the opinion of one of the few  
 men versed in Systematic  
 description & Physiological  
 History - the State.  
 As a systematic I cannot  
 overlook the fact, that  
 Gymnasia are distinct from  
 the form & structure of the

It is the way I hope to publish Part 1 of the  
 book about Memoirs: should  
 have such a request as  
 this, or indeed any other.  
 What I feel is, that Physiological  
 minute anatomy: may be  
 classed of the embryological  
 division. over which there  
 is a feeling of disapproval  
 characters of the class, or sub-  
 Gymnasia.  
 I know no more of Gymnasia  
 than you will find in Sachs,  
 & except in Hetero <sup>and herewith</sup>  
 of Beccari which I ~~have~~  
 if you have it not keep it,

Embryo, & that the whole  
 course of N- development of  
 the plant is <sup>distilled</sup> ~~the same~~ <sup>is</sup>.  
 & of the formation of an  
 ovary & fruit (if I am to  
 believe the latest views) is  
 merely arrested; & of their  
 pollen, which is I suppose  
 arrested too: that is to say,  
 I do not see why the several  
 cells of each grain might not  
 be each developed & escape

for the outer cell as represent-  
 ing the pollen cell. On you may  
 have a <sup>contents of ordinary</sup> ~~pollen~~ <sup>of the same</sup>  
 tube as ~~the~~ <sup>pollen</sup> - in another  
 tube, as consisting of an infinite  
 number of cells, of which the  
 evidence may be the several  
 pollen-tubes of some pollen.

which always appears arrested. to me.  
 - Be this as it may, the  
 greater remains, are other  
 dist. long. characters that  
 prevail through the plant:  
 - life of green house, & the  
 the process of germination &  
 germination of the embryo, to  
 be overriden; the characters  
 & behaviour of the pollen &  
 nucleus &c; should be such

1. Monocots  
 2. Dicotyls - { Angiosperm.  
 Gymnosperm.  
 3. Cryptogams.

or have 1. Angiosperm. { Monocots.  
 Dicotyls.  
 2. Gymnosperm. -  
 3. Cryptogams.

as ~~unimportant~~ <sup>unimportant</sup> ~~the~~ <sup>the</sup>  
 have out of consideration the  
 position of Monocots: in so far  
 as book-making is concerned.

Giving proper value to their  
Inst. & character - whether  
or no there should for them  
be Inst. as a sublap.

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON, W.

you have it.  
I ~~will~~ return it, as I keep  
a collection of facts.

I had a most kind  
letter from Hazden, again  
inviting me to America, & to  
find myself letting of  
going in a way I never  
thought before! - he asks me  
to join a special party, &  
adds "I'm very sorry that he  
wishes to go with you" -  
I need not say how much this  
influences me. But I do  
most deeply feel the fact,  
that the representatives attending  
a family of 6 children many  
at any time beneath my  
plumes on the head & this

makes me dread saying  
myself. I could not get  
away till after June 15,  
but could immediately after.

Mr. Hooker might accompany  
me to Boston, & stay there  
during my trip to the  
Hymenostoma. I shall  
write to Roger in a day  
or two.

Well, as I can do now is  
what I am doing, refusing  
the other suggestions for  
the Audubon, & at last  
over that would interfere  
with <sup>American</sup> Audubon by demands

on my time & purse.

I am frightfully busy.  
Printer is off my hands

but Students - Phil. Place  
is an awful labor - I do  
hate 2nd Edition. The

heavy & waste of time & <sup>Heracii, Williams,</sup>  
Nathaniel's Remains, <sup>Plum,</sup>  
Auch & is melancholy.

In haste

J. M. K.

Could you not review Remains  
of Sedgwick & open up the  
question of Hymenostoma position  
under the broadest aspect; i.e.

pay all my expenses - My  
wife had £200 with  
me but only on her marriage  
offered her house also  
just by.

I sent back over Gray  
& always at your service  
for whatever you require -  
you make - the more  
potential the better.

Yours truly

J. H. H. H.

New Orleans at just 5  
p.m.

April 17/77.

Dear Gray,

I have yours of March 30  
& April 6 by same post. This  
morning, I hasten to answer.

I quite suppose that it  
would be better to give up  
the yellow-stone for what  
you propose in Colorado  
Utah & California.

My going to the yellow-stone  
really depended a good deal  
on the idea that Hayden's  
party would be working  
there - which would have  
made my going there



layt me & more serious to  
him. - I fancy that the  
three last i getting there  
would be great, believing,  
& unproductive - botanically.

But you must not let  
Hagden suppose that he is  
in any way expected to  
contribute to my expenses -  
- W. I never thought of was  
such expenses as I should  
have been incidentally  
& happily saved by  
joining his party. - Had  
I been going to lecture or make

myself in any way useful to  
Hagden it would be another  
matter. - as it is I shall have  
no claim whatever on any  
one & least of all on good  
Hagden. - Of course I  
would gladly ply second  
fiddle to you in my Natural  
Rehab wherever we go, &  
be proud to do so. - but  
might make a very  
useful paper on contrast  
of Nat. Hist. - Hermitage &  
Swiss Europe. - Alps - <sup>from</sup> - with  
personal observation &  
with other Nat. regions  
by other means.  
I shall be quite ready to



and taking tea as he would  
miss his own tea as  
other members.

I must get my 2<sup>nd</sup> set of  
Student-Flora through to  
press before 1<sup>st</sup> - which  
cannot be I find before  
End of June

to a great extent

Yours

W. H. H.

Primer partial reading

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON, WY.

April. 30/77

Dear Gray

Please look again at your  
~~Antyranthus~~ *Otilotus Sandwicensis*,  
is it not a true *Polystichum*?

We have nothing answering it -  
your *Antyranthus*, a <sup>notice</sup> genus about  
which I have no force - It differs  
with characteristic bracteates.  
Of Magnius, *A. involucre* is  
a *Sericoideum*, - *A. Kaulottii* is  
identical *A. angustifolia* - *A.*  
<sup>but has stamens of Antyranthus</sup>  
*arborescens* is rather a *Centropogon*  
*A. alba* & *aristata* should go  
from ~~into~~ another genus with a  
Hawaiian plant.  
*Antyranthus Kaulottii*  
*occidentalis* = *Kaulottii* Magni

has nothing to do with  
Banalie & is a distinct  
genus "Idiopis": near  
Hemichroa I suppose.

What do you say to my  
being accompanied & receiving  
by ~~the~~ <sup>my</sup> friend Shreeley? - he is  
most anxious to come, &  
would make a splendid  
physical addition to our  
party. We have travelled  
together <sup>& so pleasantly</sup>, that  
I cannot say no. May I  
should - Of course he  
wants no facilities, but  
I am very glad to see him.

be any two places that a  
man should be  
with us. He is a real  
pleasant & pleasant. This  
(as yet unpublished)

Debraeter & many of  
Vimman is a first rate  
piece of work. He is a most  
valuable member of the  
N. S. - a good fellow. He is a  
fine English & a most  
pleasant altogether. Mrs. S.,  
who will accompany him, &  
Hemichroa, is a very clever  
person - a daughter of Sir J. P.  
Grant who was Governor of  
Jamaica. <sup>& late Governor of Jamaica.</sup>  
Hemichroa Shreeley is one  
of the Council of India - of course

May 4/77.

Dear Mr. Webb

The Willows have  
arrived in capital  
condition. By many  
thanks.

Very truly

J. B. Harker.

May 17/94

My dear Gray

I am very glad indeed  
to see the notice of Keen's  
paper which is capital.  
You keep yourself cool &  
cautious regarding the  
position of facts. Though  
I do not think that you  
will satisfy the physiologists.  
who are determined to  
override all other considerations  
for the sake of  
their embryos, sacs & vesicles &c

Yours of May 6 arrived  
today. I do wish that I could  
let you see as early as you propose

but it is quite impossible -  
I should indeed have been  
proud to have had Dr.  
Harvard L.D. -

I have a Home reception  
of R.S. Fellers on the 20<sup>th</sup>.  
& a meeting of the Society on  
the 21<sup>st</sup> before which I  
cannot possibly leave.  
In haste I have arranged  
for the Childs & Berg since  
in during our absence. But  
not quite finally. I shall  
set away as soon after the  
20<sup>th</sup> as possible. & take  
the North Star. I am

now writing to Mr. Brown at  
Lewiston about the  
Trailing. I gather from  
one of your former letters  
that it would make you  
leave at 6.15 - away  
in beginning of July. -

June 26/77

Dear Darwin

I sail by Parthia  
on 28<sup>th</sup> for Boston  
by way.

J. H. Hooke

Very  
Yours

J. H. Hooke



reported to her before I left... He  
said his wife hated letter writing but  
that he would see to it. He is on  
the eve of departure for India, she  
will not accompany him.

I have heard from Darwin, his  
dear William is going to marry  
Miss Fegucote! - ~~William~~ wrote to me  
jubilant about it, but his  
father & mother however shared  
with the lady's aunt but with  
she had better wait, William  
himself being as far indeed from  
strong. Poor ~~William~~ the little boy  
man has been ~~in~~ 5 weeks  
in a sofa with a sprained knee  
& with him for many more - all  
probability. I mean to that Anne  
is not strong enough for the career  
he went to for instrument designing  
& making - he seems to be a  
splendid mathematician like  
George. The little child has been  
much dangerously ill of inflammation

I have only been writing to you so much

Feb-23/77

Dear John

Yours of Feb 8<sup>th</sup> to hand. I  
enclose a photograph for Mr King's friend  
at Cincinnati. I hope it is what  
you meant. Also a note from  
old Sumner but did little of him;  
don't you remember my saying  
how unsatisfactory his book was?  
I now wish that I had asked  
him him. I remember him well  
both in my Father's & my own times.  
He (& I think a nephew) touched a  
chord with me more than once.  
I took him long walks: the P.G.  
& a brother during which he  
murmured terribly; I could get  
no exact information out of him  
regarding our American opinions;  
however he was a kind old  
soul & I missed him for his









also 4 inches long. ~~lanceolate~~ <sup>ovate</sup> & more  
cone, is much ~~longer~~ <sup>more</sup> ~~ovoid~~ <sup>ovoid</sup>, it is solitary perianth  
removed & the scales  
have rather longer & more  
slender so pungent points.

Altogether our two plants  
 agree admirably with my first  
 (young) conceptions of the  
 two <sup>species</sup> ~~plants~~ which were so widely  
 stricken subsequently. A finding  
 small cones with stiff not  
 shining leaves & large cones  
 with long shining leaves! Now  
 if there is a character whereby  
 they are to be distinguished, it  
 must be the <sup>as species</sup> ~~character~~ <sup>of</sup> ~~be~~  
 usually small cones of Ponderosa  
 & the spreading large broad  
 suborbital cones of Jeffreyi.  
 We have a good many plants  
 of each all <sup>of each</sup> precisely alike, no  
 doubt seed raised from seed of

My wife is charmed with the fact it puts sister in touch  
with the world. She is much prettier than her Gray & myself. I  
know her. She is the same as the photograph with a difference.

one of Ponderosa, <sup>other</sup> Jeffersoni & Californica both.  
only two trees in Smith tell me  
he has found another Ponderosa with  
in the gravel.  
Cones: - This I have not seen nor  
looked at the Museum specimens.  
Our gracilis there is no one like  
about; Lasiolepis, Pachy &  
Lewianae hardy forms of it.

Of Nobilis we have two forms,  
one rather slender which has  
fairly well, another very stout  
which invariably gets gouty.  
It is observed we have many clavate grasses.  
Then we have the Mendocino  
plant with deep green short  
distichous leaves actually clover  
at the end. This is very similar  
either gracilis or nobilis - if that it  
is a state of gracilis it is a very  
green one - I wish you could  
get a few plants of cones & seeds  
of the Mendocino plant  
of the North with all possible colors.  
Bentham is at the Forest of the  
Amphibian Forest, he says that the B.

I dined with Shakspeare last night  
I was very much disturbed to find  
that Mr. S. had not written to  
me yet. I could not help shaking  
strongly. She spoke most warmly  
of you both & said that she  
had "volunteers" on her mind to  
write, but that she was too  
busy. Shakspeare is annoyed about  
the New. He sails on 9<sup>th</sup> for  
India.

We have have the Andrews here  
to know like them much; we  
introduce them to Lord Eastlake who  
called immediately on them.

Well done Overman! His construction  
with his very excellent; Smith was  
much pleased with him.

Myllman has written some  
more letters with seeds of Decuss  
Leaves & Stems. The ever is about  
Piceas but with not alone Conifers  
to be with. Prandis & I think to be

Nov 3/77.

Dear Gray

Enclosed are by tract from  
the "Oregon Committee" Report, which is  
concerning California voters. There  
is I thought might be useful  
to find what to be from  
kind regards.

I have dabbled a little further  
in Conifers & been looking up our  
Arceuthobium collection. Which I find  
full of young plants of Conifers  
from Sacramento, Perry & Washington  
in capital order amongst others  
H. Engelmann; the soft affair with  
short appressed leaves, very unlike  
our Monopis. That I do not  
wonder at Engelmann's view on  
its distribution. In fact Prandis  
to look out for intermediates. Lots  
of Conifers very different from any



grandis or behavens. - May young  
from grandis, folto 2  
mobiles + amabilis + magnifica.  
Good Tongues & indeed every thing  
but bracteata would I do not find  
& we are bad off for juniper.

The small Cupressus from Fanellone  
like off gelde gets 2 better than  
the Nabiane which differs in  
sketch habit from macrocarpa  
smaller form - we have  
young plants from Whitney seed  
or Howe must have found  
it in California? (was he not  
with Howe?)

Want bad the juniper  
occidentalis of Rocky Mt. - that  
in that branch from the base  
we can so collect occidentalis is  
with upright & I suppose the  
presence of R.M. - I find & our

collecting our plant of California  
by juniper - sets of plant of  
Styrax & other good California  
things altogether our America.

Her & short collection reflect the  
highest credit upon our largest  
efforts - not only for the number  
of specimens but the care  
condition in which the seeds came.  
We have lots of oaks, - Sonchus,  
White, & two other California ones  
that we got. - Platanus California  
& no seed of other things.

I have told Smith that I shall  
empty our specimens of all common  
Cupressus here & gradually keep  
them stocked with California  
for Seckoye & the London Parks &c.

I shall see Murray on Tuesday  
& find out if he has specimens of  
the bad specimen he has published.

right. I have answered him  
that I will receive judgment.  
about Ab. Szelesman.

I feel I have you with Conifers -  
but I have still to do Cypripedium  
& Juniperus!

Pray get Manager to send  
me £10 worth of Carti - all species -  
at proper season. I will pay  
him further for seeds & cones,  
Wood of Juniper & Pinus  
Edulis. if good old trunks. I have  
never ceased regretting having the  
bills at <sup>of Edulis</sup> Fort Garland.

My wife went to the photograph  
last week, when sent 4 for  
apparat. 3 Ville, the fourth  
good but showing my half her  
face - very however her sweet

to prepare. I wish send it to Mr  
Gray as soon as the copies  
come.

We have in Dan the Opley  
medal, with autameter. I may  
say. I was glad to tell the Council  
that the award would be a  
heartily endorsed in America  
as here. The two things went  
to Her & Alch. (Explosive Chemistry).

My four collectors of cones look  
uncommonly much of the  
New collection!

Goussard is here.

Love to all

J. Hooker



plant from the Favallone 'a some  
such name Island' off the Golden Gates  
is it - Kelley gave it to me.

*Juniperus Henryana* I have an  
authentic young plant of, & it is  
supposed *J. Californica*. (from big *Juniper*  
of Sierra Nevada)

I have not yet attached *Pinus*  
*Paulowniana* but shall do so as  
soon as I can.

I am utterly puzzled with the forms  
of *M. Menziesii* that are given.  
*Om. Hughesianum* is no doubt the  
same as Sargent. The subalpine  
Rocky Mt. Plant. All over cover is  
Museum an like young, smaller than  
*Menziesii*; the leaves shorter, greener  
softer & more appressed.

I have not yet touched the *Piceas*  
of which we have a splendid  
set of ones in Museum.

As to the Report, I am very glad  
that you have taken the climate in  
hand, I should have been sorry  
to have had to work that up.

Nov. 24/74

Dear Mr. Gray

I have just finished a  
screen that will, I fear weary  
Mr. Gray's eye & head, but it  
was so pleasant to fight with  
her that my pen ran ahead of  
my discretion whatever that may be!

While I have got through a deal  
of child's play, which is much  
harder work than one supposes  
since my return - I believe my  
correspondence have done pretty  
near all I expected - but then  
the correspondence was to have been  
the best part of my work - so I  
cannot say that my progress has  
been altogether satisfactory. The  
address has cost me much labor  
& hunting through Rogers' Reports

Reports &c. I have had much to  
do at R.S. I have been there  
time & week. I have been  
have been cross numbered to the  
Office on intention of retiring.  
next year, to which they were all  
opposed, & desired me to keep it a  
secret. I have been at present. I have  
however persuaded Hurdy that  
I shall ought to have the Chair, & it  
remains to be seen if he will take  
it. I shall not speak to him  
till after the Anniversary, about  
it. If he will not, I am at my  
wits end for a successor who will  
join the scientific party, the  
business party & the popular party.  
As for myself, my broken success  
makes me all the more anxious to  
retire. The post is a terrible one,  
I have stolen the Soviet through  
some <sup>difficulties</sup> & escaped myself  
various dangers more perhaps by

good luck than good management; &  
I have been many & many supporters.  
Hurdy says, he never knew councils in the  
Lancashire connection to which they  
are reduced. & I must confess I am  
astonished here myself. I am fair to  
attribute it to my taking good advice  
from my officers with a certain  
emphasis, & acting on it at once.

Enough of this.

I have been lately at the British  
at momentary moments, quite  
insufficient to get an right judgment  
but enough to tell that there is a very  
change. I find a fine plant  
of *Grommaria* & the *Pine* to be  
concerning. The *Walrus* that it is  
certainly not *maricata*, but I think  
a long leaved *Contorta*. I may say  
I am sure of it. Tell him also that  
we have a fine plant of *Cuscuta*  
*fragrans*, which is certainly only *C.*  
*Lavromans*. *C. Goveniana* is  
extremely like *maricata* but  
with smaller fruit & I think the



identifications & hence conclusions  
of vegetative paleontologists. & are  
required to do better in hold my  
tongue for ever. Is your seriously  
believe that Taxodium distichum  
has survived unchanged from  
Miocene times to this? If so what  
an evolution & the "struggle" been  
about. one can understand how types  
survive ages & changes of conditions to  
almost any amount, but hardly  
such specialized types as those of  
Taxodium - O. Her fossils in  
has found Abies nigra in the Pliocene  
Miocene & as it is not found any  
more southern Miocenes suppose it  
was a circumpolar creature that  
migrated south.

Ever yours  
J. W. Foster

P.S. I have written to Foster & to  
Porter & to Findley & to H. H. H. H.  
about him.

Nov 29, 1877

I have just finished a short notice  
of the Polar Islands: plants  
from 80°-83° for the Reports  
to Govt on the Prints of the voyage.  
All the plants for Scattered around the  
Polar sea are almost purely Greenlandic  
There are just 70 from 80°-83° & the  
vegetation then ascends 1000 ft.  
The two anomalous introduced into  
the flora are Pedicularis capitata &  
Candollea apiculata, neither of  
them Greenland plants, & not  
elsewhere found N. of 72° or thereabouts.  
This is very curious.  
What on earth can have extended  
the Greenland flora so far south where  
that the Indian Channel, & why do not  
such American <sup>sub American</sup> plants, as  
Astragalus alpinus, Oxytropis lanuginosa,  
Calla hibernica, & a lot of others which  
abound in the Arctic American coast  
& Polar land, & some of which even  
inhabit Spitzbergen &c. Ever get to  
the meridian of the Greenland flora  
from 62° to 83°? - it cannot be the  
core of Greenland, for the flora is more

Memoranda. That that of the Polar  
Islands with the Museville  
vulgaris, Pyra Grandiflora

Nasturtium alpinum & a lot of plants  
a smaller volume that are now here  
a the Polar Islands in the side of  
Raffin's bay -

I have pushed up for you a copy  
of my Journal Himalayas & for  
Maur a copy of Despe's Voyage of  
Central France -

I have just seen Plum of  
Monstera a copy of which shall  
go to you, also of Vol. 1 of Plum  
Roth. April: I am astonished and  
glad that the Sententia Hibris  
Johnson all our editions of Rubiacae  
I keep up heart and my <sup>Africa new!</sup> genera!  
Kung he people have attacked them by peculiar.  
I'll be better Richardia for  
Rubiacae, - if I remember right.  
The former was an error: it is an  
American question.

I fear that a heap of Trachea

betters will strike you on Sunday  
the Monstera Place. The first page I  
dressed had Kagledge. Which I must  
have overlooked - however I don't  
in too hard on him for I am afraid  
he will give up publishing. He was  
so distressed as to be surprised at  
the heap of all sorts of blunders  
unintelligible & confusions! Had to  
convert the proof after him.

I have attended to Despe's work  
in my American address. I fear he may  
not quite like it - but really what  
is one to say of such identification?  
Take a typical Despe from the  
Museum with veris. I suppose of  
leaves referred to all sorts of  
genera, Europe British Australian &  
& failing to recognize them with  
living types they are recognized as  
identified with European Museum  
Species! - if this is not the driving  
the "ignominious as you" what is it?  
- the "blind leading the blind" at any  
rate. I've heard a good deal of the  
Geologists for who swearing of the

strict growth of content. The trees  
are larger & more numerous than in  
Mexico.

Sagittaria sending me a gorgeous lot  
of trees & shrubs... what a splendid  
place we should be like to go with  
you & live into Virginia.

You say that comes with the  
Philosophy has interested me to know  
whether we will not be able to do this  
capital for our N. Am. Distribution  
but I suppose too distant &  
dangerous work. That is to say that  
with a treatment of ideas & what is  
what he wants. - & we would be hard  
at 2-3 for our both. I will file  
in the gaps you indicate. I had  
already tabulated the Europe of the  
world as you had taken into account  
because the shanty men. What better  
do not militate with your results.

About the reason why I do not see  
migrate into Europe. I am doubtful -  
I have had notions of the sort, but  
now that I see has shown(?) that  
Abraham was a native of the Polar

Dec 4/77.

Dear Old Gray

At last the annual day of my  
tribulation is over - St. Andrews - after  
which I feel strengthened & my belief  
in Providence that has carried me  
through the seemingly impossible without  
floundering or blundering. It is indeed  
a heavy day. I leave New St. Andrews, to  
meet the officers & business till 3,  
when the Council meets; then to the  
general meeting for Election of Officers,  
auditors reports, my address, & no end of  
votes of thanks & distribution of medals.  
Then to sleep at Althorpe for dinner  
at Willie's house with horrid toasts &  
speeches. & home at near 1 PM. so  
excited that I can't sleep. I should  
prefer a night's rest. A Pullman car with  
American babies & youngsters about, & no  
sitting down. - Ah went off with  
the address gave satisfaction, I did not  
"stick" at the speechifying - I entered the  
American Ministry 2- the reason the address  
received the copy for your review. The address & laws.



Amenes x  
which I gave to Hayden gratified him  
highly - as did my <sup>travelling</sup> <sup>in</sup> <sup>the</sup> <sup>evening</sup>  
in the evening  
Amenes Science ("God bless the mark!")  
to which he responded with some warmth  
but more prominently - talked of "Shawbury  
Lenses" being given by the Government to crown  
"Shells of Wood" & mine to art - of course &  
so forth, to Museum (who  
was present) disquiet. I had the little  
man on my right & entire now; <sup>that</sup>  
not think him a my favorable specimen  
of your countrymen, but we got on very  
well indeed. I wonder what you will  
say to our remarks on Amenes, & the which  
I introduced at the <sup>of my address</sup> <sup>and</sup> <sup>worked</sup> <sup>1</sup>  
day of Hayden & the Survey. Hayden &  
with I doubt not be pleased. I will send  
it as soon as printed. We elected  
Darius & Foreign Member on the same  
day.

The photographs arrived safe &  
superb set. My own - some of them  
are artistically the most exquisite things  
I ever beheld - with all the delicacy &  
feeling of the highest class of art. It  
is indeed a glorious set. I shall write

to Hayden at once. My wife's photo:  
though so united & interesting as is not  
common set! - it shall be sent off as  
soon as it does come. I have sent a  
copy of the Boston Improving & Skeptic to  
Mr. Gray & the American friend, both  
& the photo of herself each gotten  
without delay on my part. She is as  
well as I can expect her to be till  
after Christmas. I have had the only  
photo of the Vile Pap Camp framed.  
& it looks splendidly.

I have found one cone of *Pinus*  
*Balfouriana* from Jeffrey recently.  
It is chiefly young *aristata* with *bi-*  
*accular* such tips all smashed off.  
It is young & hence somewhat immaturely.

I am greatly surprised with *Pinus*  
*monophylla* of which we have a fine  
young live plant with cones in  
buds. It has nothing to do with  
*muricata* or *tuberculata*, but is  
very like *contorta* but the leaves are  
immensely larger & the buds very  
thick indeed. It has the fine color &

area along with Taxodium, the speculated  
fate to the - ground - for if  
Ab. beccab could come  
directly into Europe why should  
it. Taxod.? Only enough Ab. beccab.  
I am in no where else - The Miscellaneous  
washed Taxod. distich down the river  
Europe - The conifer Taxod. disappears  
in the subsequent formation & Ab. beccab  
does not turn up like the Port. phacmes.  
I think more likely that America  
warmed up faster than Europe & that  
hence Taxod walked south into  
the latter & had helped the turning  
up to ~~Europe~~ Europe before the latter  
was warm enough to receive it -  
Ab. beccab on the other hand being  
a much colder loving plant - turned  
up onto Europe <sup>which</sup> after America <sup>was</sup> ~~too~~  
too warm for it - & in America  
turned into A. alba. But the dear  
and speculation it is - & are  
Taxod. dist. & Ab. beccab really  
the plants of our day? - Old Jameson  
of Edinburgh used to say "Like is a  
best mark of identification." - how true

That is i plants.

The reason  
this vegetation  
of plants of  
under the  
val. beds. is to  
one crust-  
collecting & interesting. I should  
be much disposed to go into it as  
you have done, & in as much detail &  
more, for the Colorado & Flor., & subsequently  
for the Atlantic & Pacific Flor., than  
little in an Appendix to the general work.  
In re considering the Rocky Mts Flor.  
in a whole I am disposed to think  
it a rather poor affair with the  
mountains themselves far too big  
& uninteresting! & to be taken with the E. & W.  
at ~~this~~ <sup>the</sup> to be sure - Exclusion of the  
Prairie & low Western elements it  
amounts to very little - It wants highest  
& sunny crests & above all alpine  
meadows to ~~provide~~ <sup>develop</sup> an indigenous  
alpine vegetation.

I suppose we must in an agreeable  
manner include the R. M. region also to  
Rocky Mts Nevada, though this  
seems hardly fair to California & gives  
R. M. Flor. a good many species that

are more typical of Calif. than of  
any country East of it. I think that  
we should have a table of showing  
which R. M. (& the broad sense) species  
are found in the East & in the West of  
divided, or both - and also whether they  
are American or European types.

I have drawn up a little notice  
of the Polar arctic plants for the forthcoming  
showing that they are a continuation  
Extension of the purely Greenlandic  
Flora -

Now I must get to the letter  
to good bye & with aff. regards -

Mr Gray in V. C. C. C.

M. D. Hooker



1878

Dear George

Let me introduce  
my friend Mr. Gross  
from whom there is  
sufficient introduction

I am interested. However,  
dinner on me do not.

And there. for he is a  
warm friend

W. H. H. H.

New York July 24/78

I am not at all sure of the Pacific coast. I will be glad to hear from you. I am not at all sure of the Pacific coast. I will be glad to hear from you.

So poor Bolander, wicked creature has  
 omitted me! His letter is no explanation  
 at all of his conduct. But I can quite  
 forgive him if he would only leave off  
 the bottle which is I suppose at the  
 bottom of the mischief.

Yes work out Taxodius & I won't  
 dispute it. But very few shells will  
 modern Conchologists are to distinguish both  
 & sets & sets. But I have with splendid  
 specimens, I must think it worth  
 to conclude that because such  
 miserable scraps of fossils show no  
 difference from recent shells, they are  
 therefore certainly identical.

I am delighted to hear of the  
 Watkins photographs coming. & about  
 of the Redwoods, which is my  
 favorite tree. I have made an  
 avenue 1/4 mile of them here.  
 I am daily buying a Redwood tree, & chiefly  
 interested in it.

Notice & important as upst. See p 6  
 Down towards the change of air. I shall  
 take a lot of writing. But I must be  
 up & down. Thanks for the very much  
 needed for the delightful letter & shall  
 answer for the identical species on the  
 Pacific coast. I am not at all sure of the Pacific coast. I will be glad to hear from you.

I am not at all sure of the Pacific coast. I will be glad to hear from you.

My dear Gray

Since last I wrote my whole  
 spare time (or called) has been  
 given to the Indian Roseaceae  
 which "slipped the way" of the  
 Fl. of North America before which  
 Dr. C. B. Davis is hard at work  
 having given me Saxifraga  
Crepuscula & Hamamelis.

I have just finished off the  
Pomaceae this for review & this  
 is my first subsequent letter.  
 Because Pomaceae is a really very  
 bad piece of work as a whole, though  
 it contains many new & good obser-  
 vations. Hardly a generic character  
 but is my fault from not having  
 examined his materials. He just  
 examines one or two, erects the genus  
 & puts into it what he thinks  
 proper. & this must be careful.

Yours

on it  
structures, are most just. & if you had  
known of the plunder: details &  
the ignorant carelessness  
you would have dealt harder  
with it. I have kept up *Adonis*  
*Doronic*, *Pourthicea* & *Eriobotrya*, all  
but the last with some hybridation  
I could teach of *Melus*, *Sorbus*,  
*Aria* & *Microcarpa*. nor *Pyrausta*.

Mr. Macoun did not send me  
the Canada fed. Survey Report. to  
your is most acceptable - I shall study  
it at our leisure of our work.  
I remember *Hetero* & *Bouquet*  
around of the twelfth year work.  
I think I can find some notes  
of *Hetero* in it.

I have a very pleasant letter from  
Mrs. Bidwell attending to. Hardship of  
friend Maria & the Knapp will. country.

I mention *Parker's* unexpected  
to Board of *apropos* of *Bonaberg* a foreign  
fellow R. S. which I intended to  
mention.

I have had sundry talks with my  
officer R. S. about retirement they are good  
enough to regret it, but submit.

Stokes flattered with the offer, but did not  
like to resign the paid leg. ship. to  
take the civil duties. I think we  
shall suspect *Shetterwood*, who is a  
splendid mathematician, great scholar  
rich, hospitable & a favorite with all.

Engelmann writes me that the  
*Sagittaria* *penicillata* of N. Nevada is  
*S. occidentalis*! It is surely utterly  
different from *S. O.* of the Italy but  
which of *penicillata* branches from  
the base.

A letter of Brandegee to Sargent which  
the latter sends admits some difficulty  
in distinguishing *Ab. Engelm.* & *Menz.*  
He says: *Sagittaria de Crista* & *Ab. Engelm.*  
where to the other is very often plain  
he has seen it. I agree. I cannot be  
distinguishing him by it. *penicillata* branches  
B. is writing an article on the *Compositae*  
of the *Cretaceous*.

To day I heard from old Kelley that  
the covers are sent off with some  
supplementary specimens purchased  
of *Hutchinson* for the big moderate sum  
of \$10. which I shall remit at once.

N.  
a greater extent in America than  
any where. I do believe that  
the House of California & New England  
are more depraved than <sup>any</sup> those  
of Scandinavia & Mongolia, &  
I very great Deal.

I met Gladstone the other night  
who was enthusiastic over my  
account of the Prof. taxes - &  
America is General. - it was  
delightful "rightly over battles  
on 'ear'" with such a man.  
Children & his Daughter who had  
followed on footstep home  
from San Francisco were also  
at the party I found them very  
pleasant & sympathetic with  
me & you. Both have been  
as both to & both in well  
J. H. Hooker

March 11/78.

Dear George

I hasten to acknowledge  
the cheque for £5. with many  
thanks.

I think we shall turn  
out a good many minds:  
never depleted at home,  
which have accumulated  
in holes & corners, & we  
shall be puzzled to know  
what to do with them.  
Of course I suppose that you  
would not lose for many  
of them - Are there any  
institutions in America where



Such would be needly cared  
for? if so I would insert  
Oliver accordingly & send  
them to Smithsonian.  
Would you like to  
have a correspondence sent  
to you (the Smithsonian) to  
look around see if there  
are any you may want?

I am working at the  
Colorado Flora. Such can find  
no better analogue for the  
Rocky Mts. than the Altai.  
In regard altitude & vegetation etc.

See more than seen  
astonished, may I suppose, at  
the difference between E. & W.  
N. American Floras. - I am  
speculating on the advantage  
of regarding geographical  
distrib. of plant primarily  
from a geographical point of  
view. That is, not classifying  
plants according to the  
<sup>species</sup> ~~species~~ <sup>as they are</sup> ~~as they are~~ <sup>unregarded</sup> ~~unregarded~~ <sup>is</sup>,  
<sup>such as such conditions</sup> but taking the natural areas  
of the world, & studying  
their floras in relation to  
them. Plants seem to have  
followed the great geographical  
leadings, & to have been  
distributed in mingling of the  
great geographical distributions to

nothing to do with <sup>a</sup> Seigneur. The  
comparisons with, or any other, the  
beaver are ~~represented~~ <sup>admitted</sup> as ~~representing~~  
of the whole base.

I am much taken with. Minors  
observation of the sites of the Big-trees  
on the slopes just denuded of  
glacial ice - but I cannot make  
much of it -

I have a heap of books to  
send over to you & then later  
I'll be back with a box.

Harold had a little girl two  
days ago after a long bad time  
but is doing admirably well.  
as is my wife & baby - a splendid  
child & very good.

Johnny is doing in London. I see  
him almost every day.

I must now go to ~~the~~ <sup>the</sup> work <sup>so</sup> with  
much love to you & the

Ever affly  
B. H. Miller

April 11/88.

Dear Grace

I owe you for several  
letters, Feb 11, March 18 & 26. Feb 5.

I have written to Richard, who I  
hope will not give up. Nothing,  
leaving is much to do about the  
horrid canisters, which I can do  
Eugene has been cleared up  
on Thomas into intolerable confusion,  
for the like of me I can't like it.

I have admirable letters from him,  
I do respect & esteem him & his  
knowledge & care & acuteness &  
astuteness, so that I hope he is  
right; but if so I can only look  
on it as "wonder love & awe."

Here is a pretty incident about Carpenter



(I have not written about it to Engelmann yet)  
macrocarpa, - our so called plants  
with the Cyperus - point one, which is  
little Lambert trunc with  
spreading branches & far more  
robust twig, & larger cones than  
our macrocarpa. -

I do wish we could have a good  
comparison going to California, with  
old Engelmann.

I have just finished my lecture  
for Rice Institute on distribution of  
American plants, which comes off  
tomorrow night. I account for the  
absence of the Eastern flora in the  
Western States by the greater  
consistency of the American California.

Utah Nevada & Colorado ~~have~~ for  
long ages after the Eastern States  
were warmed up. I hope you  
will swallow this, for by force it  
is true, & we must eat each other's

beats in our joint work! I have  
given your history of the Eastern  
vegetation, I hope correctly. (from  
Hear. Amer. Acad., & your address to  
Amer. Assn.) - I also give outline of  
my (mainland, showing that we  
were contemporaneously working to-  
same end for different stands.  
points & without concert. I do not  
think you John Jay quite as  
crisp, but as is typical of your  
work; but I hope I have made  
no mistake. - I wind up with  
Sesuvium, making note use of  
Muir's paper. - By the way do  
compare twig of Sesuvium Sesuvium  
complanatum, with the plate  
XI. fig. 4 of "Illustrations of Creeks &  
"Forest plants of Western California of  
U.S." 1878. just received from  
Harden. I manipulate that of that  
plate is correct, the plant has

April 13/88

Dear Frank

The Plate XI. f. 4. to which  
I referred you in my letter of  
yesterday is not the first  
published vol. VII - but is an  
unpublished work about you  
perhaps have not.

Referring now to vol VII - please  
look at: Pl. LXI. f. 25. & you  
will find the same decurrent  
leaves to a thing called  
Segetaria brevifolia, Wies. - Now  
turning to the you will find the  
figure a plant with leaves  
decidely narrower to a petiolate  
(narrow stalk) as Segetaria.

Referring <sup>back</sup> again to J. Langsdorffii of  
Segetaria (unpublished vol. LXI f. 4)

Comparing it with Kunt's figure  
of the same plant, I should say  
that they have nothing to  
do with one another. Do look  
yourself.

Really some chink should be  
put to this sort of work;  
which is bringing systematic  
Botany into discredit, &  
Palaecobotany into confusion.

Read any of Desquereux's  
descriptions of leaves - I turn  
up ~~the first~~ <sup>vii</sup> but the book open  
at random. it is 2. 199.

Ficus strobilifera. "Leaves - - -"  
"broadly ovate, lanceolate, - -"  
"rounded to the petiole."  
<sup>one of the leaves</sup>  
How can I keep in at the same time  
broadly ovate & lanceolate?

If our theories of plant migration  
are to be based on such identifications  
as Desquereux's evidences I won't  
give much for them.

My lecture at R. I. went off  
last night - pretty well, &  
the Scientists well received all  
your & my notes & slides; but I  
shall be very uneasy till I know  
what our friends of it - all in  
private

Ever affly

R. B. Hooker

Thomas etc. etc.

4 I also go with you in the matter of the  
influences of James's fluviat speech &  
terrest speech. / By the way did not  
Neynhauser find <sup>cases of</sup> ~~Marine~~  
~~Fluvial~~ <sup>Fluvial</sup> somewhere? Great Lakes - which  
if it would come in with as vestiges of  
the ~~Fluvial~~ <sup>Fluvial</sup> speech.

5 Of course I agree that Mischers of  
Gouldland & I think even not other  
phenomena. E. Faber was the first to  
insist on the wrongness of the  
assumption that identity of organisms  
in far distant localities implied  
contemporaneity - I have somewhere  
dwelt on this - but I cannot find  
where.

As much for agreements, my  
"Cheval de bataille" is not ~~your~~ <sup>to be</sup>  
overridden & made a "horse de combat"  
by yours - now for differences.

1 Of course the later glacialization of the  
Western half with not account for the  
superabundance of Crinifer, but it  
will marvellously justify it. - for the  
California Crinifer are a misfit in the

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON. W.

May 8/78.

Dear Prof. Green of April 26<sup>th</sup> just.  
received & most welcome. I have  
this moment concluded a brief  
very dense relation of your Thomson's  
life for the Geograph. Soc. of which  
I shall send you a copy that may  
serve for you to contrast with what  
you may want for Fitticism. It  
has taken me three days to compose.  
for I get slow & slower in the  
matter of composition - May you  
your ready pen.

Mr. Huxley is here very sorry  
but pretty well - he is making his  
book over to them & cataloguing it  
here for us. a grand gift.

I shall be indeed glad to see  
the James again.  
As to Crinifer macrocephalus, there





guess that we can grow double the  
number of Japan plants that we can  
in fact we grow nearly all - with  
double standard with us? - or Vitis  
1-cupridale? or the European?

From the conclusion I am quite sure  
that my war horse will absorb itself  
to be when unknown familiar with  
it - peace - & for goodness sake  
take care how you dwell too much  
on chimera -

You are far ahead of me - your  
first conclusion as to N. Am. Flor. & your  
Japan Spg is the first really fresh  
advance: Bot. Greg. since Humboldt  
in the matter ~~that~~ I have called it is  
my lecture, "the most interesting & satisfactory  
special contribution to the science of Bot.  
"Greg." that is known to me". ~~the~~  
~~must~~ <sup>so</sup> for I betide you ~~and~~ stand  
behind you - we must now both  
dismount & drive over horses to the  
end of the gaul. in one & seated curricula.

In p. after  
I must go now to Harding's  
work. *B. M. M.*

THE ROYAL SOCIETY,

BURLINGTON HOUSE, LONDON. W.

Justice & Mercian Gps, & they are  
the only things that would justify  
invading the country for N. & S. and  
mining <sup>as</sup> the ~~the~~ disappeared; just filling  
the valleys, & then mounting the slopes.  
You would not give me a better  
<sup>moral</sup> ~~moral~~ of present position of  
the goodness of my theory!

2. I cannot conceive the laws  
out there having any effect over an  
area such as we have to deal  
with - I hoped you had forgotten  
that assumption & so I did not  
allude to it - You have to do  
with an area extending from the  
Prairies to the Pacific.

3 Before attributing the absence of  
the deciduous trees in the W. to want  
of summer rain, you must show  
1) that they but for this they <sup>might</sup> ~~would~~  
have been there 2) that in those  
countries there is any relation between  
these two conditions (if rain & deciduous trees)  
Now it appears to me demonstrable

& Hurley, agree with me,  
that the flavescens varieties of St-  
Coumby from the R. M. L. Pacific mountains  
have prevented any of the ~~flavescens~~ relatives  
of the gambelii plants which were driven  
South-<sup>back</sup> into Western America. I  
very much myself <sup>marked</sup> ~~estimated~~ the  
prodigious elevation of the W. half of  
America & its nearly latitude 40° (of 40°)  
It I projected it for the lecture in  
a diagram which I took with me in the  
printed lecture.

You say the trees pushed South  
into Mexico would come back into  
W. America or into E. my lecture: my  
answer is that they could not  
get further North than, say,  
California, & there perished. we  
had a few that are represented by  
a Quercus, a Carya, a Juglans, a  
Pinus, a Populus, a Myrica, Betula, &c. which  
is many of Europe is to prove that  
deciduous trees would have done  
very well if they had had a  
chance - Why does not the want of

summer rain kill these? & why do  
the deciduous trees introduced from  
the East thrive so well in the West;  
if the want of summer rain was  
the cause.

Lack of want of summer rain is  
no impediment to deciduous trees  
growing in the Levant, Algeria &  
elsewhere in the Tiber & both your E. & W.  
4. I think which <sup>step</sup> ~~plant~~ <sup>grown</sup> ~~will~~ <sup>in</sup> ~~England~~.  
I think which <sup>from</sup> ~~the~~ <sup>climate</sup> ~~of~~  
Japan & Calif. coast <sup>are</sup> ~~more~~ <sup>than</sup> ~~all~~  
than Japan & E. U.S.; & as to Japan  
trees thriving better in E. U.S. than  
in Europe - Magnopere debitor -

It is often a much mistake to  
found argument in what animals &  
plants <sup>may</sup> ~~do~~ <sup>& do</sup> in countries other  
than their own. Their constitution  
are "pest finding fault" - All the  
Japan conifers do well with us; &  
very many other things too. & many of  
these conifers, Sargent told <sup>me</sup> ~~that~~, would  
not do at all in the Caribbean. You  
surely are in error in this matter. I

(our <sup>Savanneto</sup> ~~Shrubbery~~ vally friend), has  
a smaller cone with smaller lobes  
& has slenderer branchlets by far.

The male cones also differ. I am  
struggling with you. I tried hard,  
but in vain, to run them together,  
I cannot distinguish the separate  
leaves laid side by side. Our  
*I. bonalis* (i.e. *multicaulis*) has  
hardly any <sup>of any</sup> subulate leaves, at  
least I never saw them.

Carrie & Harriet have both  
muddled them through; but  
they are horrid difficult indeed.

Carrie's *I. gigantea* is a rather  
*Libocedrus decurrens* I believe.

I send a list of our American  
*Cupressus* - the <sup>varieties</sup> ~~being~~ of *Larocinus*  
an immense & most curious!

May 29/76.

Dear Gray

My fingers are half paralyzed  
with writing - so I shall write  
slowly & beautifully too!

The Symplocical Flora has  
arrived & I am delighted to  
see it. I like it - altogether -  
very many thanks.

I am worried to death  
with correspondence about  
this <sup>morning</sup> opening of the garden  
which is to be proposed in  
Parliament, & am in  
consequence besieged with  
queries & bombarded with  
letters. I wish New had never

been created! Smith is "in  
Colonies" about it, & his brother  
he will not be able to cope with  
it. We have the Garden open  
last Bank holiday, & not a stroke  
of work was done after 10 AM.  
However the matter must <sup>come</sup> ~~be~~ <sup>be</sup> done;  
the Franchise will oppose it, as  
will many of the advanced  
liberals. The motion will be  
made by (inseparable) (St. Treves  
Laurence), son of <sup>the late</sup> Mr L. of  
Habitatual fame. (by the famous  
Dugan) - I know him well - he  
is ashamed of himself, but  
acting under political pressure

being member for this part of  
the County - I have brought the  
matter before Lord Beaconsfield  
who will be the "whip" about  
it. Noel (Mr F.C.) is confident  
it will not be carried; but no  
Minister should be confident.

I have given this morning about  
the Cupressi. Unquestionably  
Thuja plicata is nothing  
but Cupressus Nuttalliana - we  
have long known this, & our  
tallies bear the both names,  
(the former as a synonym)

C. Lawsoniana is very like it;  
but certainly different in habit.  
& color; we have hundreds of  
both, very fine plants, 20 feet  
high some of them. Lawsoniana



but none approach (nuttkensis).

!

Stalk Numb

MAY 25, 1878

See Cedar point - Mansu cache  
such distinct from the other  
very cult. under the name;  
the form is Lambertianae, but  
I am not clear what should  
bear the name - <sup>overrid</sup> <sup>because</sup> We were  
told <sup>in San Francisco</sup> of one <sup>to</sup> of prep  
"growing on hills near Monterey,  
as well as of that on the  
coast." - The Californian  
Cupressus var. Thompsonii  
growing on the hills. Of the  
6 where Warner & I collected  
one is certainly  
diagnosed as L. Mansu  
in habit.  
I have seen much of St. James.



Took Mrs C. H. R. S. and  
dinner, <sup>9<sup>th</sup> Society &</sup>  
Then C. H. G. day. In  
Society for which I got the  
ladies tickets. Also they  
spent Saturday here in the  
Gardens.

I send proof of my Lecture;  
I will try & keep it standing in  
the title I hear from you... it will  
need some foot-notes

Thanks for Jane's & Lequerre's  
letters; the letters are  
wholly unfitted for what he  
understands - in letters of the  
lover of Seignior being document  
which is just what they are not.  
We are all well, but Harriet,  
who is not making a good  
at least fast -  
- - - - - W. H. W.

May 25 1878

American Capreolus 3  
Hark. Vireo?

1. *Leucodas decurvens*.

*Thryx gigantea* (arvensis) part:  
" *Craigiana*, Oreg. Conn.

2. *Thryx gigantea*, Nutt.

Syns. *Lobbii* Hark.

*Mengesii* Dougl.

*Mutelliana* Dougl.

*Thryx* *Staudacheri* Hark.

*Craigiana*. } R. M. Ohio.  
*Gigantea* }

3 —

*Phicte* ~~*arvensis*~~  
var *fastigiata*

" *erecta*

" *pendula*

" *compacta*

" *recurva*

4 ~~*Chama*~~

*occidentalis*

Var. *Sibirica*

" *fluyelliformis*

" *crucoides*

" *dequantipennis*

" *divaricata*

" *pendula*

" *compacta*

" *Wasmannae*

" *Hoeayi*

" *Dicksoni*

" *Veronicae*

I am doubtful as to var. form. of these  
last 7 forms.

5. *Thunbergia* *sphaeroides*.  
Cult. - Myrica Luss.

6 — — *Laurum*.

7 — — *Myrica*  
*Thunbergia* *brevis*.  
var. *brevis*  
" *glauca*.

8 *Cupressus* *lindleyi*  
(*thunbergii*)

9 — — *Myrica*

10 — — *Grevillea*

11 — — *Manocarpus*

12 — — *Larix*

13 — — *Myrica*

14 — — *Thunbergia*

C. Thunbergii

Elevation of Seigneur, I took Meunier  
data, who lived in the forest tract,  
& whose absolute data are I  
suppose as good as Whitneys.

I think you are hardly fair  
to Meunier, in saying that Whitneys  
Yosemite book <sup>contains</sup> "about all" that  
is trustworthy. & collection &  
digest.

Meunier is my authority for the five  
Saw. trunks in the Big tree grove  
(12 King's Pine) see his paper  
which I quote. <sup>in foot note</sup> I have spoken  
very cautiously of his other  
theories, but am not disposed  
to scrub them - there is much  
that is to me very mysterious  
about the distrib. of these Big  
trees. Now I should like to see  
them!

As to Greenland, I will contact it  
with you.

Jan 21/78

My dear Gray

I am extremely obliged for  
your valuable criticisms on the  
letter - which as you may see  
was a too hasty performance -

I shall keep it near by,  
& have now sent it for review  
with corrections to printers.

Now for X criticism.

never saw such Chirney in my life  
as just outside Boston is a field  
I move by with Sargent. I have  
however subdued the paper.

For Michaelmas Day read p. 40.

I have no modified expressions  
about Smith & Agassiz as to  
avoid counselling the Utah &  
Nevada & to any exact phrase

I have absolutely extracted allusion to you as I could &  
his cleavage & fair in it. - he seems pleased.



Int. know when I got Antio costs:  
I have called it Crest variegata:  
the wood cut  
to that time

Surely Quercus abound in the  
highlands of Mexico & thence extend  
into S. W. States & up middle to  
Colorado - almost all the cult. species  
attributed to  
are Mexican I think, & they are  
very numerous. I had used  
Quercus <sup>(specimens)</sup> or Quercus <sup>(species)</sup> in alluding to  
the series Prunus. It should have  
been Quercus & Lactaria.

— Pinus (Fernal Ed). II. 490 talks  
of Quercus amongst other things, as  
characterizing the S. W. Region, <sup>of Mexico</sup> though  
he calls the Region West of Agave the.

Pinus edulis should be <sup>called</sup> Pinus 2  
Mexican type

You say "Darwin had not said  
before public when the last of  
'my paper was read." - but

you quote Darwin yourself, & your  
paper! - His paper was read  
July 1<sup>st</sup> 1858, & published immediately  
afterwards, & it quotes early  
communications made to you in Dec.  
on its substance. Your paper 15<sup>th</sup>  
was read Dec 14/58 & Jan,  
11<sup>th</sup>/59, & Prunus, Supplement  
is dated Feb 13/59. - I do not  
know where it was published.

My Spq was read in June 1860.  
I was quite unaware at the  
time of your speculation.

As I suppose we were both  
of us engaged at least  
5 years / I commenced immediately  
on return of Kuhn's voyage:  
(1854). I thought I might  
just say what I did. Then  
too you must allow for longitude!

over part of island. It is in July  
unlike to English action. I believe  
I found no theories of migration:

I think instead of your island  
parallel to N. St. Louis Forest:  
my reading of <sup>about</sup> Japan inclined me  
to suppose that forests were more  
continuous of one or few trees  
in Japan than in S. N. America.

Buprestis & Chrysomelids collected  
in range in Asia. - How do we  
know? may they not be not only,  
in all N. Japan islands but in  
N. China too. - Whereas with  
all your <sup>American</sup> ~~habitation~~, Palau  
you can find but few specimens  
of some of N. Japan plants in  
America.

I have but a note as to your  
not connecting in Davis' letter  
Changin for British.

Of Greenland plants not: N. Am  
I count 24 + 17 that are  
characteristic of Greenland  
& Canadian <sup>are</sup> but occurring

more in E. V. Asia. - & there are  
various <sup>Greenland</sup> ~~plants~~ <sup>nowhere</sup>  
many others found <sup>in America</sup>  
but to become N. W. Greenland  
against <sup>all</sup> your Feb 16 plants  
of America  
not found in Canadian. 2

Which 7 are common to all  
N. Am, & hence not <sup>more</sup> ~~at all~~  
characteristic of America, & two  
or three are high Arctic only, <sup>one</sup> ~~one~~  
Moreover you come told her  
first day. Reflexion is sup.  
leafy form of Arctic. I was  
not aware that Draba rupestris  
was American, or Phlox  
viridis Greenlandica.

And to this the number of  
characteristic Arctic & subarctic  
American species not in Greenland,  
Saxifraga, Arctostaphylos, Phlox, Pyrola

characteristic of high Caucasus

Aster! Myosotis; Solidago, Rhus  
Ribes, Thalictrum; Calla,  
Geranium, Ranunculus,  
Sium? Eryngium, Lactuca  
Panicum, Eryngium, Acaesum  
Artemisia L. Pluchozon!

I do not think I shall be  
 able to raise so much money.  
 I doubt much to make Greenland  
 money that; but having  
 regard to the spirit of  
 Greenland, <sup>the appearance</sup> ~~the~~ makes it  
 a very less business.

And why do you think  
no less than 3 Gallies?

You call the American Ships  
inferior ones. But they are not  
worse so than the Scandinavian  
gunless vessels, Japanese vessels,  
Argentine vessels,  
Italian vessels.

2 Alchemilla!      Thymus!  
2 Scorpus.      Artemisia (new)  
Kron. Saxatilis      Vicia cracca.

Devoted, continually.

Stations alone! Narrow Streets!

Peristylus albidus.

Junco tricolor. Heute  
Hirundo minor albus alpinus.

What better could you have?  
besides fairs & pickings.  
Surely you cannot say with this  
that Greenland is quite as  
much as Scandinavian.

you ask why "candelariaceae"  
because P. Forbes used the word

I remember night, & I  
thought it good my new. B.  
but I cannot see what is it?

I cannot entertain you else  
Ireland may have much to  
do with the old <sup>Polyn</sup> land. Here  
it is a holy Troharian & probably

about Colorado - you may have  
something of the count. I visited  
it ages ago with a man Gray  
of Cambridge (A.S.) - that was  
the first state of existence - &  
which I have retained. He has  
too! - The Oryz garden press he has  
lance the enormous wrong &  
corruption & has not yet come before  
Parliament. We have now 5  
thousand miles of rail for London,  
thine steamers, discharging their  
contents of a population of  
3 millions who live. The map of  
their carrying valley for its special  
purpose and its wastes, billions  
&c. - if this is to be the  
greenhouse of the whole world with  
the. & your love will be for  
to visit America all the sooner  
I hope. W. Hooker

- I have at times gorged out. to  
sculptured - though I do  
believe in the gorging  
out; taking advantage of a  
momentary furrow. Do you  
nearly believe in Whitings "false  
bottom"?

I agree that I have used the  
word Mexican <sup>in one sense</sup> incorrectly  
but I included it in "New  
Mexico," which was familiar  
to me as part of Mexico  
before long before you corrected  
it; or at least long before  
Geography taught that it was  
in U. States Territory. — This is  
what I meant. I will  
now modify & am glad  
you pointed it out.

Mr. and Mrs. Edw. J.  
Shelton - More Haven Sts



not out yet!

Oliver the Mr. [unclear] the  
Smithsonian Institution  
the power of sending books  
through it - as we are sending  
to the [unclear].

I have not time (& no case)  
to discuss climate with you -  
I am altogether hucstical about  
it. - I write about  
Carpenter's m- [unclear] like I  
have any thing more worth-  
telling - I too had hoped to  
fetch C. groenlandica on the  
tall slender maurandia in [unclear],  
but [unclear] I cannot.

Ed. Forbes did not point out  
non- [unclear] of [unclear]  
[unclear] in case of frederick &  
S. [unclear] I think, - but of

books & J. India.

Granted it be kind of the  
Volcanic spring [unclear]. I cannot  
suppose it was all a [unclear]  
at once, or ever formed a real  
strata & distribution. I can  
quite see the place [unclear]  
would simply [unclear] - [unclear] the  
Volcanic - [unclear] their hair  
since here & there. -

I do not like Olive & [unclear]  
deciduous trees.

I should like to go into the  
question of the distribution of [unclear]  
[unclear] - i. the island. i. relation  
to climate. I shall be interested  
if it turns out as follows with  
your [unclear] [unclear].

But I must leave off. I am  
printing [unclear] [unclear] with  
[unclear] & doing a job for [unclear].

I have a lot of books for Harpers  
Library but what with one thing &  
another my life is tortured away in  
trifles.

I met half Sister two days ago  
looking enormous well - & delighted  
with her visit 2 yrs. & the Gray.

Sent by post. Cyperus Anthracinus  
laevigatus - two days ago.

I write by Post 'cause of  
what is called C. Governiane.  
has the most authentic garden.

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both have to be made in what  
my wife joins -

Marsh is here. I have  
visited him 6-3 afternoon  
which I give him week etc  
him as P.A.S. - my last effort to be a small.  
His is a fearful job involving very truly his  
Shawbener & crew! for my wife that is!

June 30/78.  
Old Hooker Bal. 61!

I can do grey

I don't like to absorb  
 assumptions about your digestion  
 w<sup>th</sup> the term "Mexican types".  
 I was on the point (I have a  
 part.) acted upon it - but  
 on turning to your Daronianae  
 p 219. I find this repeats  
 referring to the California Plate  
types. "their near relatives, when  
 they have any in their lands, are  
 mostly Southward, on the Mexican  
 Plateau, or more or far South-  
 as Chili" -

I should not have thought that there were many Chile types - but is

doubt-you have authority.

Do you wish  
moderate or  
rather  
M. Quete  
American

Element in California & N. Mex.

which is absent: the South as  
*Melastoma*, *Plumbago*, *Smilacina*  
*Neonopsis*, *Oliganthus*, *Fouquieria*,  
*Lavatera*, *Fagonia*, *Euphorbia*,  
*Parkinsonia*, *Prosopis*, *Acacia* (excepted)

This is far as I have gone. I do  
 not weaken by this. The N. E. character  
 of the Eastern States, but  
 I think you go too far in sub-  
 stituting the other & others that  
 indicate an affinity between N. W.  
 America & N. E. Asia of a very  
 different type. I feel sure that the  
 Eastern States  
 N. E. America is affined.

What we need most to  
want now, is the means of  
comparing California with British  
Columbia, & Alaska with

Sakatah... I should like to know  
the northern limit of <sup>alt</sup> the Conifers  
too, do we know that of any?  
except the Arctic one & western one?

Indulge in a bit of book  
to read. You know where  
the N. - American Museum is  
Nobly. Forgive me for Fardine.

I did intend to send him  
Mougab & Nestler, but Oliver  
is not content with the set -  
He likes him - I should also  
have sent him more photographs  
of my journey & one of my Father  
but really I have not found  
time for any thing.

That of all I am horrified at  
omitting to send Reinick a copy  
of the Kerpulen paper with  
this am Fresh water algae. I  
must repair this omission -

I must now buckle to at once  
with Hayden's affairs. & send  
you a stone. but really the  
more I try to strike a compromise  
with these mountain claims the  
more puzzled I am. However  
there goes for the Altai - we  
must make what deal Harry  
called a "talker talker" at  
any rate. I have a heap of  
books to send Hayden, but  
an oven head & rain is  
bothering matters.

Love  
L. H. Pepp

W. H. H. H.

Thank Mr Gray very much for  
his delightful letter which I shall  
answer by soon. - As you have no  
time to - her.

Sept. 1876

Dear Gray

Just back from Ireland;  
& England, where I paid a few  
short visits. - I have gone off  
Aug 27. & 16.

Can't imagine what you mean  
by "The origin of man to the  
species is as good as nothing  
a year to my life". My own agrees  
with me that it is a grievance

They have made Darwin's  
corruption of the sea very.

Yes the corner is a bit of  
but the dear how horrid they  
looked. Odd Valley did his  
best. After what I saw at





185. The rectangles are not a base idea.

186 I suppose you are right: but I thought there were more than 68 fruit trees & some species of *Juniper*.

186 at bottom, is the Red Cedar really western?

187. In what respect is the Rocky mt. *Abies Meryana* a *peninsula* form?

187. Are 10 ft. bottom. *Juniper* N. E. Asia & N. E. America are not *Antipodean*!!!

188. Are 5 ft. top. Of the same? These common to N. E. Asia & N. E. America are you correct in saying "some are American but more not." - If you tabulated them <sup>it is</sup> also right as doubt.

189 I think that *Liquidambar* & *Cedrus*, <sup>being</sup> ~~as~~ *Medicinalis* *basin*

Sept 18/78

Dear Gray

Do you want *Alpinia* plants? -

- I am reading your Letter & going to criticize as you suggest.
1. Are you sure that the <sup>Atlantic</sup> America is almost the richest? <sup>from</sup> *Flora* of the Alps - *Mount* of Australia: is it that the "me" you accept?
  2. h. & j. would you call the *Prairies* base *and* *Alains*? Why did not suggest these ideas to me.
  3. h. & j. "the goes without saying" the *my* *below* *Gray* - where will you <sup>without saying</sup> *be* *when* *you* *die* *if* *you* *have* *been* *a* *very* *old* *French* *idiot*. I wish you it into a

popular fiction is a country that  
speaks better English than English & 111  
- 4 Boston of L. 90. is "the  
it not rather too much to

say that climate explains the  
density of the Oregon Forest. I should  
have thought that the larger stream  
available for the vegetation would  
have favored a greater variety  
of timber - as in the Tropics. The  
whole subject is a very difficult  
one

- 5. L. 92 end of 3<sup>rd</sup> paragraph.  
I thought the R. M. had a good deal  
of Spring rain - I suppose I was  
misinformed.

4<sup>th</sup> Par. I suppose by "interior  
West" is meant them of Utah  
& Nevada, but it reads as if  
it was the interior that of the  
Rocky Mts. range.

note on discussion of the West - I think for yourself & company.

L. 94. I should quite hope you are  
right in attributing much of the  
~~scarcity~~ abrupt change from Forest  
to prairie to burnings &c. - but, if  
no, surely clumps & mts should be  
found in the ground. I was  
surprised to see how far  
into the prairie clumps of oaks  
or rather elevated sites were  
continued Westward.

The absence of trees in the  
Gangster plain of Shoshone is to me  
quite unaccountable. There they  
have both summer & winter  
rains!

L. 183. Cypress do not grow <sup>all</sup> round  
the world is "our zone"

11<sup>th</sup> line for bottom why  
"barely one inch" & that "any  
far North" we saw plenty of one  
on the Sacramento.

I must go to Paris for a week  
or 10 days at the prize giving of  
the Exhibition. - on the 18<sup>th</sup> -

Smith is better - he had a  
severe attack of Angina pectoris,  
as I think I told you. The Doctors  
are both off to Switzerland for a  
month.

The Indian Wedderburn is married.  
You will see Mr & Mrs W. Darwin  
at Cambridge before they start on  
- That blessed old pile Monastery of  
Abbay called Melk to bid you  
good bye. The James called, but we  
had not returned.

By J. H. M.

R. H. M.

plants should perhaps rank as  
European

192 400 50

I think too far  
in diagnostically asserting that  
the Greenland has the same  
climate as Penn<sup>a</sup> & Virginia now.

- That they had a temperate  
climate is most probable, but  
not measuring that of any one

part of the globe now existing

- I quite agree that our <sup>species</sup> ~~habitat~~  
cannot last from the North.

but does it follow that they were  
created there? -

The lecture is very interesting  
& suggestive.

I have had a long talk with  
Darwin about the post glacial  
cold of N. N. America. He  
wonder involves both the

the degree of the winter as  
measured to account for the

567 13.1872



absence of the ~~the~~ Carter  
by then in the W. side.  
So we may agree up.

I have been comparing  
the Moroccan & Canadian  
Flora; the differences are  
astounding! I know no one  
of them so near a coach.  
differing nearly as much from  
that of the coast.

Crocus nudatus is  
now flowering, it is lovely.  
I think you sent the  
seed.

The kind of about the  
opening of the garden is awful  
& I am overwhelmed with

about & personalities in several  
of the daily papers. - I am an  
importer, whose works were men  
drawing-room moments, written  
for me by my father & so forth.  
My whole life is held up to  
ridicule & contempt - & another  
- & again I am an old jibber  
who denies the taxes of the  
poor & puffs myself up - in  
word to that effect. - Lady  
Kew is the only one of the beneficence  
of the Hooker family! - he just  
as yellow as - & shall be so  
for months to come. Even my  
murdering of the King is a job of  
my own to keep him out - &  
Ayton was quite right. I  
treat him as he did. "Tith is life"

appears to be very cheap! - How  
would it be for <sup>one</sup> lot of our  
Habeas corpus to sell at many  
copies as he can at the Boston  
Selling Office + you to be carried?

I suppose that at present they  
do not know such a disadvantage  
the trade, besides being content  
with moderate profits.

Ever affly  
W. A. H. H.

I saw Lockyer today who  
gives me your greetings.

THE ROYAL SOCIETY,  
BURLINGTON HOUSE, LONDON. W.

New Sept 23 77

Dear George

Your Cupressus Mannabensis  
is quite right. I had my bad  
specimens. but got good one  
from Gleason's quite agreeing  
with yours & "Californiae Lobb."

I have good specimens of C. Lobb.  
Goveanae for you<sup>+</sup>, also  
from Gleason, agreeing with  
those from "Woods near Monterey  
Harvey" & "Port New Glauk."  
Its branches are very divaricate.  
& slender.

Have you Ed 11. of Gordon's Pinetree?  
There are a lot of California Cupressus  
C. attenuata, Lobb.

C. Goveanae from "Western  
" district of New & Monterey  
" within 2 miles of the shore, from

Microscopic, of which but a few are left. This is totally different from the lot which I have sent you. It is the only one of the species remaining from the collection.

"a dense bush 6-10 ft with  
"Pinus mucronata."

C. lacustris.

C. maculata.

-C. macrocarpa.

C. nutkanensis.

Shall I send Otter Squorum as  
given by Gordon?

I have sent to Edinburgh, for a

complete set of Watson's <sup>gardening</sup> Gypsophylloides of <sup>Watson's</sup> <sup>Pinus</sup>

In Flacensis I found a very  
curious one, utterly unlike of Otter,  
raised from seed 22 years old taken  
from Coulter's Verbena! It had  
never fruited - I have a bit -  
for you.

What does Watson make of the  
Farallone hls plant?

I am bored. Macmillan  
tires about the sale of your  
Flora - Rubens's charge is monstrous.

Yes - Umpy nutkanensis is Laurum  
He is good figure too.

No doubt. Targents' Thrypis  
borrelii is a Retinospora. Smith  
would not open it, but I felt  
sure it was squarrosa itself.

You would not believe how  
poor we are in (Canada, Utah, &  
Brevard plants, but for our  
collectors! We have not a  
scrub of Hedysarum nutkanensis,  
(which I have just <sup>much</sup> figured for  
Not. Mag.) from S. of Iskut! None of borrelii from Allegany

24<sup>th</sup>. I have just been to Macmillan

Why do not consider 36/40 too high

for a 17/6 book! - They say

& deduct 1/3 of selling price for trade

= 12/6, & that 7/6 is not too

much for advertisements, rights,  
expenses, bad debts &c. Is not this

27/1001 1/3 charged to trade would be a help of 1/3  
27/1001 1/3 charged to trade would be a help of 1/3

26<sup>th</sup>.

I have hunted up Platanthera  
hyperborea & find that it introduced  
it <sup>as European</sup> on the faith of Denmark - it  
being found in Iceland -

Your list of Ptili & Murex  
Agassiz names & species in N. N.  
America &c is a very remarkable  
one for which I was not prepared  
you might have added Acroa.

Can Darwin's Species and  
have driven them across the  
Tropics?

Bentham came back to day,  
looking remarkably well, but con-  
fessing of shortness of breath on  
mounting.

I am very anxious about the  
Colorado Flies. There is much  
similarity in habits & retention  
numbers of each, & it is when  
there are interferences with the purity



America Order. I find no good  
proof amount of N-Altae paper  
with A.D.C. nor Griseb. as  
good as Exponents of <sup>Western</sup> ~~foreign~~  
areas. - in fact A.D.C. is perfectly  
correct under that point of  
view.

at these Rocky Mt. Region - & in the - Please  
settle what it should be.

Peter Howell is my only guide to the  
Flora. He has taken an immense  
deal of labor & I may have made  
blunders. The much more part is  
1. The number of Altai (i.e. N. America &  
Mantia: Rocky Mts not found in the  
Pacific Mts. 2. The number of  
Rocky Mts. by the found: Altai but  
settle not E. or W. of it, or  
neither E. or W. is Asia. Fungus ~~by the~~  
having so many R.M. species & none  
in Pacific Mts. 3. The absence of deciduous  
braved trees: Altai is a staggerer -  
In the climate is only wet one, & I gather  
from Preswaldy that there are more  
the Koko are distinct, as there are  
Dahuric which should be a direct  
climate: it strengthens my impression  
that it is not only to want of rain that  
we must look for their absence in the  
Pacific forest.  
I find no relationship whatever between  
the country "in Altai to Ural" & the

October 13/78

Dear Gray  
With Sam & Agnes both  
away & much doing in June &  
October, I am as you may suppose  
very busy. Still I must knock off. I have  
some matter for the Plants Report - I have  
<sup>in hand</sup> the Mexican Journal, which I will  
publish in November with one other  
essay, & my husband R.S. Address which  
is not yet thought off of. I have in  
Nov. May. 9. teaching & very long  
Melancon drawing, & a trip to Paris  
in the 18th. to be present at the distribution  
of prizes - which I could not get off, as I  
have written assigned a doctor as a  
Royal Court.

I have given of Sept 27th with account.  
I have bought the Gordon & sent for 1st  
Sept. of R.S. (ch. - My mother & together.  
I had a note from the day before

you made - & I asked him out - He could  
not come before. <sup>going to Paris, to</sup>  
I called at his <sup>Hotel yesterday</sup>  
& found him in his shirt-sleeves at  
5 PM. having just shaved! He told me  
that his mother & father had  
just died, so he must run over  
to Paris just at his leaving & return  
at once! He may however come to  
New on his way through London. He  
was delighted to see me, & I heard,  
though only for a few minutes. If I  
live I shall be at his to do a "summit"  
for John Kellogg.

I have a letter from Hayden today  
concerning a drawing about the  
Colorado Report on which I happened  
to be working - but no action was  
made to it. My incident have a  
share & he wrote under it.

I sent to Edinburgh for a set of the  
American Comptes - young Balfour did all  
I could but she felt was a <sup>marked</sup> ~~perfection~~  
M. - but I shall, as comes, & as

an ~~Montgomerie~~ specimen. He, too bad, the  
way the one noble collection of Edinburgh  
B.G. have gone to just under Balfour &  
Mr. Mac - the guide is simply a disgrace  
to botanical or horticultural institutions -  
& Morris is a great credit. Both Balfour  
& Mr. Mac are breeding at last. I hear. I hope  
the young man will get the Chair. He is full  
of energy & knowledge. I shall send  
you a set of the <sup>Laurel</sup> ~~Comptes~~ <sup>Comptes</sup> -

Now for Colorado Report. I cannot possibly  
go on with it for 6 weeks so I send you  
what I have done - it is much but  
the object of a map of matter. I return  
with the you sup. Also the most  
interesting list of Chalk & B. Apes given  
in N.B. & central America which is very  
remarkable. If you do not get it into the  
Report you must let me have a copy  
of it.

The contributors I now send consists of  
A. An attempt to compare Colorado & Altai.  
N.B. I hope you will criticize it - Prof. &  
especially nomenclature. I sometimes say  
that the of Colorado, & others Colorado again

[illegible]

List of the H. species of Atlantic Slope.



(For Miss Chapman) of Colorado, & of  
California.

My beloved

but it was

long get to end

of Legumines. I do not send it.

as it may be of no use & cannot be

finished like Watson's there is.

Now how are we to do it. I have

time read your map (returned with mine)

& find it excellent. I have made

a few notes here & there. I will

do any thing further you like after

November.

So Mayfair has gone & done it as we  
expected.

What a wonderful description appears

in the Times of the diamonds & of the

California ladies - How (rich) & how

them!

Yours Affly

Hooker

I shall send the map by

the Pacific Delivery or some such route.

Others heeding respect my criticisms  
but I am sure I did right in all  
instances. & feel greatly relieved thereby  
- To day I begin Salsolaceae & Gen. Pl.  
to Newthorn's satisfaction, after arranging  
the whole of the Cunila in the Herb. for  
Bliss. a condensed collection.

1. What do you make of Abies rubra. I've  
never seen it in the Garden. but no wild  
specimens.

2 I have thought that we got true  
Juniperus Virginiana in Canada.  
What are the two we got there?

\* J. V. jun. Mitchell (Columbia).

3. The form & foliage of Cypripedium  
sent to Walter with I think the  
of Swertia which I have  
seen lots of cult. & it always  
has divaricating branchlets, quite  
different from any other. If we  
know it must be C. marocana  
I am writing to Walter about it.

N<sup>o</sup> 178

Dear George

Sept 9<sup>th</sup> 1877 I have <sup>Journal</sup> noted in  
both "Petrels" & "Alder" on banks of  
the stream which I crossed with  
Sipson & Muri. I was on our  
way to get Partridge etc. to the  
waterward of the Valley. This was  
on the Sunday when you returned from  
Kiddell's camp. I noted them  
both going & returning. I should  
say they were black birds. I  
thought I told you of it & I do not  
remember that you had pushed  
my surprise.

There are many more than 26  
trees: Taxus, Podocarpus &  
plants of arborescent habit which do

not. becom 15 ft.. It is curious  
however how few middle sized  
trees there are there, whilst the  
Eucalypti grow so very big.

Annual fires on Prairies  
should clear the stumps &  
render them indestructible - the  
Prairie is a great problem.

Cannot understand Englishman  
making Red Cedar grow (California)  
- he tells me that the huge  
creatures which we saw on the  
Silver But Mts, & with a gigantic  
crinoid trunk, is the same as  
Leiodontalis of Colorado! which  
ever branched from the base.

We saw several forms of Abies  
Menziesii in Colorado, besides A.

Canadensis. We did not think the  
the-glauca form of Green Gardens.  
which we also have here. and  
which I suspect takes no count  
from Colorado. Yes - one will grow

I began this I do not Dec 14/76  
know how long ago, when I had to  
break off & take up the Address in  
London, & it is as you will see a  
most laborious affair. - The hardest

ground of the whole & I am sure I  
had to wind up, & to start the  
fund for reducing the fees, which was  
my last reform. I retired just  
a fortnight ago, with the address at the  
house - & a farewell speech at the  
dinner. Thank goodness it is all  
over, the going up was a wrench, &  
I had to attach to the plan the  
Officers & the duties & Kewtham &

written to ask P.

The opposition over cutting a very  
low figure indeed, & I am hearing  
L-advise the Conservatives for  
their pluck & for the independence  
they take with the other  
Committees. Whatever comes of  
it, the war will be the best  
thing for Affluence & for  
civilization.

We really have had a Colorado  
plant but what we collected, &  
some of the new species with which  
you have from time to time  
supplied us. Of course we have  
many roads things from New Mexico

Mrs. has been very ill, but is  
better (disentangling) - has a  
vesicular affection. Her mother is  
wonderfully well.

Wm. H. Hooker

W. H. Hooker

I hope I can do my best & be  
sure send a dozen or two  
copies of 17/8 - you both <sup>at</sup> ~~last~~  
will be glad to get them  
I have had the pleasure of <sup>telling price of 24/</sup>  
disposal of with pleasure. I have  
I fear that Macmillan understood  
perfectly. but I wish try him again.  
Harriet Lecture I thought very  
long, I should have told you  
I think we had but a compromise  
it.

We have no remark upon it.  
Macmillan the Crisis.  
Mr. May Dray of N. McKays  
you young lady who I am training  
as an artist - (not the one doing  
the P. Plants). & who provides  
well. she is a sort of 2<sup>d</sup> Cousin -  
a Miss Smith. clever girl - &  
industrious - now making sketches  
for Hon. B. Hall. I think I shall





my dear <sup>base</sup> Hardier, justice  
It is too bad, because the  
poor devil has no <sup>Education or</sup> knowledge  
to deprive him of the credit  
of all that has flowed  
from his Sings:- & after  
all it is not a fool who  
could have got <sup>the people</sup> all he  
has for Science, out of the  
Govt. or one, hand & his  
stall on the other.

Yours  
W. M. M. M.

Dec 16/78.

Dear Gray,

We have sold most of  
the copies of your Flora,  
& all but one of Fendler's  
Form. You may send  
more of the former.

You say you want  
Mexican plants - I sent

your letter. I have

539 Sh. 21 April 1872

I hope they are not lost.

Can you get us the  
Enclaves?

Hayden writes me  
for the Report! -

Aspin writes to

Huxley in a sore way  
about what I said of  
Hayden in my 1877 Address,  
thinking that I am  
taking it of our friend!

I do not care to correct  
Aspin, but Huxley being  
Sec. R.S., I would be very  
much obliged if you could  
give me your opinion, to  
show Huxley, that I have





especially, without material help.  
My expenses are <sup>part in making,</sup>  
& high wages, who is my  
Banker & Monetary Director, says  
I must lay by more! I should  
amazingly like a trip across the  
Isthmus of California & then on to  
the Groves, to Mendocino & so  
to Vancouver.

I have thought much over your  
suggestion of more names to back the  
memories, but I cannot think of  
<sup>any</sup> ~~one~~ who would be of the smallest  
<sup>weight</sup> ~~real use~~, except ~~Mr~~ <sup>Mr</sup> ~~Ward~~ <sup>Ward</sup>, now in India.  
I really think that our two misapprehended  
names - speaking from experience & after  
a visit to California, would be more  
significant than a host of people who  
are not interested, & who have never  
been there. If you think, or find  
that others think otherwise, send  
this memorandum or any others across &

I will get backers enough of sorts.

I wrote to you yesterday, but take up  
my pen again at your high behests.

Mr. Sullivan cannot dine with us  
tomorrow - I have not seen her for an  
age.

Sorry to hear that you are to drive  
& shall be glad when your interest  
is off your hands.

(17<sup>th</sup>)  
You (of 3<sup>d</sup>) <sup>has</sup> arrived <sup>this morning</sup>  
it must have had a ~~red paper~~ <sup>red paper</sup> -  
with it - comes March's Report on  
the Survey. The difficulty will be  
in the Smith's case at which the  
Geological Survey proceed delaying the  
Geological & disheartening it.

I have just got the report of  
the sale of the species of you Flora here.  
It is 7 at 21/. I indicated that  
more have gone off.

Your criticism on a Gen. Plant is regarded  
shorter is not fair - you imply (I hate  
impressions) that of p. 485, that I judged all  
the descriptions of the stamens &c. now if you

itself. The wilful waste of it  
will be followed by careless waste.

Happily the preservation of the  
Main ~~body~~ of California, & the  
conservation of its Forests ~~with~~ of  
the Redwood & Big tree cannot  
be depreciated. The desirability  
of setting apart & leaving in a  
state of nature <sup>Red woods, & ~~mountain~~</sup> ~~in~~ <sup>large</sup>  
area of the great Southern  
<sup>Big tree</sup> ~~sequoia forest~~ <sup>especially</sup> ~~than~~ <sup>small</sup> that  
dedicated to the <sup>of the latter trees</sup> ~~northern~~  
grove, is universally desired;  
but any attempt to isolate  
preserve ~~such~~ areas, the trees  
<sup>incircumscribed</sup> ~~in~~ <sup>such</sup> areas, ~~after~~ <sup>is</sup> the  
encompassing forest ~~has been~~  
<sup>swept away</sup> ~~destroyed~~ will prove utterly  
futile. Isolated patches of  
Virgin forest, in mountain

Decr 18/1898.

My dear Gray,

I think with you that it  
is time ~~that~~ we jointly called the  
attention of the Government & people  
of the States to the disastrous  
consequences ~~effects~~ that will surely follow the  
devastation of their forests, & those of  
the Pacific Coast in particular;  
& considering that this would  
entail the ~~destruction~~ <sup>disappearance</sup> of the  
primeval groves of what are  
certainly the noblest & perhaps  
the oldest trees on the globe, the  
Red woods & the Big-trees, we  
may be encouraged to hope that  
our appeal <sup>in favor of these</sup> may have a double  
weight - ~~may~~  
the ~~weight~~ <sup>weight</sup> to suppose that

we indicate the Western Forests in particular as objects of national solicitude, <sup>there</sup> ~~there~~ <sup>mainly</sup> because <sup>these</sup> ~~these~~ <sup>these</sup> alone these majestic trees are to be found; but such is not the case. We do so primarily on higher grounds; & because the welfare of the Eastern States is inseparably bound up with that of the Western, & because the latter States are dependent - for their water supply & hence <sup>in their</sup> fertility, upon more restricted & more easily disturbed conditions, than are any of the Eastern States of the Union.

California is already famous for the number & variety of mineral & vegetable products which the Eastern half of the continent she cannot produce. In the continuous supply of these <sup>products</sup> ~~resources~~, this State is

absolutely dependent upon the ~~both~~ continuous & abundant supply of water which it now enjoys, & this supply is contingent upon the preservation of two ~~strips~~ <sup>strips</sup> of Forest, one skirting the ~~coast~~ <sup>coast</sup> ~~the~~ <sup>the</sup> ocean, which is the abode of the Redwoods, the other occupying the Western flanks of the Sierras, which is the abode of the Big Trees. & deplored

We have <sup>ourselves</sup> witnessed the demolition of these <sup>grand</sup> forests proceeding with <sup>that</sup> rapidity - & <sup>which</sup> ~~which~~ <sup>are</sup> unparalleled in the forest-history of any <sup>other</sup> nation & country; & which, if completed, will <sup>be</sup> ~~be~~ rendering that fair State the source of <sup>disasters</sup> ~~disasters~~ <sup>most disastrous</sup> alternating floods & droughts - which with regard to the timber



regions especially, never last  
long. Unper- tested from the  
elements they are soon  
wrecked & ~~then~~, & then that  
the elements share become the  
pry of diseases & parasites as  
sure as fever attack a  
savage-smitter people.

In this case therefore the  
greater & the lesser objects are  
practically one, & their attain-  
ment should present no  
great difficulty & should  
be at once attempted. That  
which is accomplished <sup>with</sup> by  
European supervision & the  
~~from~~ <sup>malprison</sup> ~~native~~ principles of  
the Indian tribes, cannot be  
unattainable in the health-  
giving grove of California.



What is required and is now  
imperatively demanded  
is the interests of the States  
is a system of Forest-felling  
by selection & planting &  
repair up, under State supervision.

America regrets the absence  
of such ancient monuments  
as Europe possesses. It feels,  
if she takes no heed, soon  
be Europe's <sup>regret</sup> ~~to join~~ <sup>in</sup> ~~her own~~  
Then Americans that  
monuments as grand & as  
interesting as any that the  
Old World can boast of, have  
been wilfully & wickedly  
demolished: the New.

Ever truly  
J. W. Allen

This is the third copy - &  
I can't make it better. I've  
checked with accuracy to the  
unfaded text.

Aug 2/79.

Dear Mr. Watson.

I do not find in the  
bunch of Amaranthus for  
Mr. J. C. L. what you were  
in good luck to send me,  
Gray's Calceola floribunda

not / for San Diego - it is remarkable  
for being so very few orders  
I find my 2. but - something very  
away.

I keep up Evadne, as an  
the whole trouble. & Arctostaphylos  
from Cladonia. what I  
sent with Sporopuntia &

them which <sup>one</sup> is a sample  
of Impressure in the  
the flower as not - colored  
in spirit. The stamens  
in Impressure is remarkable.

I have now deposited every  
specimen of my Thomas specimens  
of Impressure, a remodeled  
the whole group.

Wright - Texas 589. The  
my attempt. I have made  
of the group. I make a new  
genus Disparous (2 kinds  
in the styles -) much to  
regret.

Wanted Wanted I wish  
much to revisit.

By saying so with  
the Thomas which of the  
new year.

J. B. Hooker.

If one of any one I wish  
always to be most happy to  
send in Wanted of any  
revision of Wanted Wanted  
Order as arranged to  
for. I want.

which has menaced him to the  
 last state of weakness - You may  
 suppose him anxious & harassed  
 I am, & what "Gardes" work this  
 throws on my hands. - We hope  
 he will recover <sup>from this</sup>, as he has from  
 previous attacks - but this is the  
 third in 3 months! & by far the  
 worst of them. & the result is quite  
 doubtful - He is now fed by injection,  
 we have had the best medical  
 advice - & there is no doubt - but  
 that he will be carried off suddenly  
 & before <sup>very</sup> many years, at the longest.  
 The agonies of the Angina are indescribable  
 he rolls off the bed on to the floor & crawls  
 like a stretched snake. - This must go for  
 days together like a if a live rabbit was & his

but you agreed to this, you  
 with me that more water in pills.

July 6/779.

Dear Gray

I have your postcard -  
 you have paid for the "Gordon's  
 Portico" & have nothing  
 to pay for the Cato. St. Papers.  
 You must give me a hint  
 what more to "peruse up" for  
 myself - within the last

12 months I have written an  
 book - the anti-slavery & abolition in  
 England. in 1877. W. H. W.



R. S. Adams. R. heselbater,  
Lecturer - ~~These~~ <sup>These</sup> supplements to  
the Maroccan-book (which I hope  
you have received) & the  
matter already sent for Garden,  
which cost me a regular  
counting up of Siberian Flora  
& the Californian & piles of  
tentative tabulations. -

Now I have set to work again on  
Mexican Flora & Gen. Plants.

I did want to go ahead with  
that. I thought that the  
body of <sup>the</sup> ~~your~~ <sup>material</sup> ~~the~~ <sup>Septem</sup>  
together with <sup>the</sup> ~~the~~ <sup>dark</sup> of the old <sup>miscellaneous</sup> ~~work~~ <sup>work</sup>  
& the matter of which you  
sent me the specimen, &  
which I understood you <sup>could</sup> ~~could~~  
group up at will - would  
have <sup>together</sup> filled out  
the Report. - I'm sure that  
Irish material, <sup>known to me</sup> would be  
a supplement to the <sup>Flora</sup> ~~Flora~~  
Flora from Brandege.

Now too I have Smith's very  
ill enclosed on my hands: with  
angine pectoris - & subsequent vomiting

JAN 6 1970

PS. I have bought at  
Gordon's type specimen of Pine, <sup>(see</sup>  
<sup>page 4 & 5)</sup> - on my own book, as  
we have been hampered our grant -  
just 21. introducing a copy of the  
Pine-tree Ed. ii. which I shall  
send to Sargent - This is a very  
fine collection, but I shall want  
to tell what the New Museum  
does not want - (a large proportion)  
Can you stand my trying at all?  
The British Mus.<sup>m</sup> should have  
bought them - they would have been

worthy  $\frac{1}{2}$  50. & Sh. - but <sup>to mislead them</sup> Caruthers,  
who came out <sup>of</sup> "trud on Jon del  
Goderis toes" & the del jellies would  
not take issue let them leave them  
gratis coffee that; When that they  
should go to B. R.!! - The del  
man is in his dotage.





Large number of *Juniperus* in valley & *Pinus* flat -

The tip - hairy brambles & a  
small cones. We have plenty  
of <sup>live</sup> plants at New -  
it is quite distinct from  
any we saw.

2. *P. grandis*, *laricae*, *Louisa*.

There are two species under these  
names, but I do not know how  
to distinguish them by - nor how  
the names should go - some of  
them are robust. My feathers  
found *laricae* and *laricae*  
of Douglas - which I have no  
doubt. *P. grandis* for *grandis*.  
The cones are quite young & may  
belong to any thing. - it is a  
short & more shining leaved  
plant than that called *laricae*  
in the gardens. I admit our first  
introduction of *laricae* & is also  
called *Laricina*: we find not  
yet it.

A Mountain Shrub

3 *P. Louisa* (*laricae* Port)  
This is the first we got to abundantly  
I do not find it from Rocky  
Oregon if it is far, & I doubt  
if Douglas ever saw it. - we  
found it at along the range  
from Clatsop to Shasta. &  
so have others, The <sup>hairs</sup> are  
always included:

4. *P. robusta* - with erected lay-  
replaced <sup>bracts</sup> ~~leaves~~ - from Oregon  
authorities. This we never saw:  
in wooded ~~at~~ <sup>at</sup> ~~forest~~ <sup>at</sup> it  
resembles *magnifica* but the  
leaves are along flat & grooved above.

5. *P. magnifica*, the most distinct  
of the lot of four! & the only one  
you may infallibly recognize  
by the leaves being <sup>4</sup> sided. not  
flat above with a <sup>groove</sup> ~~groove~~ - I  
cannot conceive how we  
overlooked a character so obvious in

A Mountain Shrub

There are but crude identifications  
as yet. I have the American  
Carpenter such before me &  
am having all the specimens  
rearranged in the Museum - under  
my own eye. - I have turned up a  
whole lot more in the Museum  
drawers.

Another Shantia, I have written  
2 Decisions for your paper as  
a proof if not printed off - such  
for my own notes but to see if  
you have referred to Maximow's  
second paper. Our late Japanese  
arrivals are amongst the huge  
load of things not yet introduced  
that accumulated whilst the  
new building was in progress. I  
will write again when I see  
the paper.

I am so glad that you like my  
last R. S. address. It was a sweetener.  
So to I get the Smithsonian

various maps - I will study  
they.

We do not

~~trust~~  
~~trust~~ me

x about the Retula. I had no

x suspicion of error at the time.

Ask Sirian - the shot was the

gully we crossed going up to

Darlington - Some ~~one~~ <sup>one</sup> has sent.

in the Calif. Nat. forest with

cut of new? Darlingtonia.

Yes I heard of it from of Sargent

then.

I wrote "peculiarities" not "peculiarities"

imitation of Lear who delight in

out of the way words.

What about Hayden's report?

With regard to the map.

but regard to the map.

at Cambridge

by hand

J. M. W.

Chas. J. Gould, 1871, who is now  
in the Calif. Nat. forest with  
cut of new? Darlingtonia.

Analysis is to accept -

Am in haste  
Wm. H. Miller

Wm. H. Miller.

Remember me with me  
about your paper - very back  
to me.

February 27/79.

Dear Gray

I send you your  
map of Shute's & proof, having  
told Occasional that I would  
do so, asking you to return it -  
to him with an appreciable cheer.

You have overlooked Mearns:  
Mearns' description of the condition  
of *S. crassipes* (Mearns).  
Mich. Acad. Sc. Nat. Hist. 18 450  
(1874) founded on specimens of  
the very M. Franchet to whose  
collections you allude as being  
containing it! -

This description will somewhat  
alter your species character



as to the author! -

Was not your article very  
quickly written? I do not quite  
like its going to the <sup>great trouble</sup> Readers  
of Science. I think that  
Maximizing papers should all  
be <sup>fully</sup> quoted - you quote only your  
own & too briefly. (Should have  
been more!)

Then again the sentence  
about the repudiating of the  
American plant is clumsy &  
hardly logical it begins by  
implying that the del man  
found it, & winds up by saying  
it was his son.

Are you clear about the

purpose of a tribe Galuniceae?  
I thought Bernusiae went a  
long way to an intermediate  
between Schepersiae & Galun,  
& all its characters are not  
yet known. This presumption  
of me to write you is on your  
own ground; but I should have  
Mr. Chisholm produce more  
Galun Dispersae & perhaps  
write even <sup>all</sup> the tribes & subtribes

Thank for the flower of  
your Sharia, it is my friend of  
you. I think I can read the  
flower of S. rufiflora, but am  
not sure. I think we have lots.

I have picked Bowie! it is  
next door to Rodgers of the  
Himalayas. Batis beats me  
& must remain Batis. Sorry

a bundle of R. Br. - The Embryo of  
*Sypharum* is nearly straight on one  
 side of the bent seed - a very  
 abnormal character is characteristic.

I am deeply sorry for Cunningham,  
 & shall drop him in line 2  
 sympathy.

I hope that Hayden will  
 succeed. I am writing to the  
 President & sending him copy of Address.

We called on Mrs. P. P. P. in New York  
 week; they are still at a Hotel their  
 house being furnishing. The visit was to  
 a capital bag of plants & fruit-

comes & woods from your & August  
 has just arrived. My thanks.

In Gr. affy

*[Signature]*

Mrs. P. P. P. has just sent us a fine  
 bunch of America Venus on the

From Murray's. Leaves entirely distinct from  
 contents as it gives, that it is.

March 3/79

My dear

I can do little more  
 than thank you for yours of  
 14<sup>th</sup> & 17<sup>th</sup>. just received.

I much learn Shorter & Co. to  
 you to consult my blunders  
 & omissions - I do not suppose  
 I could have had the  
 1874 pack of Mrs. Rich. when  
 I did the order the date of  
 Vol. II. being 1873-76. - I have  
 however no time to think of  
 anything but your Smith's  
 state which is very bad &  
 there is no helping that now

The bed may come. The sufferer from  
Mentoring of the ascending aorta  
& dilatation of the heart; also we  
suspect an aneurysm of the  
abdominal aorta. Add to this  
constant derangement of Liver  
Stomach. The appearance of the  
Arteries are fearful; the ribs of  
the bed on to the floor & keeps  
his chest against the floor. &  
this is followed by 12-36 hours  
of constant vomiting. In the  
mean time General Admission  
is going down and the  
fight for <sup>Eastern</sup> opening of the Spellers  
is coming on soon again in the  
N.Y.C. in measure which it.

Carried with respect a complete  
reorganization of the Catholic Church  
shutting it as the footing of the  
Public Parks. This was now  
difficult enough to keep order  
amongst the filthy gamins of  
the Universities, who are sending  
their parents to "be out of the way"  
& the public-spirited from  
London, who paid it. The  
measures attempting shot, & who  
would be for hospitals &  
Reform of Parks if it was a possibility.

This morning too we hear  
that Pappi has been ill at  
school since Wednesday last, &  
my wife has started off to see  
him at a minute notice.

Thanks much for Suckley; I  
have been grinding at the Chesham.  
- they are dreadful. fancy my spelling



he greatly respects & admires, &  
<sup>criticisms</sup>  
which, I want to send to E.

I shall write to E. & making  
no allusion to having seen his  
<sup>to you;</sup>  
letter, tell him that I have,  
after going through all the new  
material as above &  
specimens, ~~with his books~~ -  
~~tried them without~~ perusing  
him, & I have found  
scarcely satisfactory to him, but  
not on all points - E.g. I  
cannot reconcile our Pisces  
about with the H. M.  
concolor -

My little boy is better, he has  
had a very attack of continued  
high fever, headache & forehead  
& neck, with a map of petechiae  
on the legs - & is much reduced -  
The doctor cannot understand it  
- unless he is in a most healthy  
place - Margate. My wife goes  
again tomorrow to see him

Small continues desperately  
ill & his sufferings are horrible  
to witness - I feel quite  
broken down. He has been such  
a friend & my sense of his  
loss.

I am conversing with  
Watson about Chenopods & prob  
card. - I am busy with Sarcobatus.  
As yet I cannot make out the  
<sup>hyacinth</sup>  
peruviana - & the ~~not~~ supposed absence of



Monophyton - (which Hervey & Odoe  
not allude to!) - Desbarreaux's plants  
were lost in the Brit. Mus. for years -  
Remiote mention say when for them  
in vain, for me a proposal of Oudney's.  
which does much of this can of Oudney's. It is a  
I have never done ~~Salsolaceae~~ <sup>Chenopodiaceae</sup> <sup>which one speaks of  
Desbarreaux's paper.</sup>

I wish I could get my young Salsolaceae:

Andrieux & think the 4 ft. naked &  
the wing to be a production of the  
pericarp. If Hervey the adherent of  
the pericarp to the ovary is clear of for  
them: Quercus & Juniperus Corylus I  
make it a tribe of Salsolaceae <sup>Chenopodiaceae</sup> <sup>aptly</sup>

Lobelia Hervey Desbarreaux is admirable  
though not credited - Have you Brown's  
Oxyphloeos? a most curious plant.

- he is actually wrong in describing the  
embryo - which is almost erect & the  
seed heavily tilted Umbellifer: - the plant  
is a puzzle - We shall have to make  
an order Lentiginaceae, I keep up

Matricaria.. Basellaceae I make a  
suborder of Chenopodiaceae.. characterized  
by habit & <sup>opposite</sup> ~~stems~~ bracteoles.

April 14/75

My dear Gray

I have yours of March 31<sup>st</sup>.  
I am delighted to hear that P.T.  
of the first book is off your hands  
& read - I shall be very glad to  
see it - I have been busy as  
usual since I last wrote chiefly  
with garden matters, giving all  
space moment to Salsolaceae <sup>Chenopodiaceae</sup>.

Smith is up & about again!! &  
the astonishment of every one, but  
looking very white & we are still  
warned that he may be called to  
his last account at any moment.

Still it is a great comfort to see  
him at his duties again.

On the other hand my wife's father





For Charles I am working for Mrs.  
He is the man likely to save the  
Chair to the Quarter it has not  
been since my father's time.

Mr. Hal is his present, a man  
who will never do anything is  
a teacher. a little like Herbert,  
& not a gentleman & feeling

I have just been re-reading  
my father's "Island": what a good book  
it is for its day & written chiefly

from memory! How much he has  
seen & the same groove (hand  
here before). How I wish he could  
have seen Goswami.

I am awfully in Sargent's  
club - & have heaps to write  
to him about.

With much love to Mayday  
from us both. Love  
J. H. H.

J. H. H.



-going to keep the "Gemma" with District  
if I approve: viz. I did not, asking what  
chance as the orchids - I answered that  
I had been up Gemma next year & the  
hope that the "Gemma" would go on - &  
that he should do ~~some~~ orchids

because 1 of the numerous literature, which  
we at the Habs. would send out - viz

why I could not hear & I. because he  
complained & my overweight  
~~light~~ as well, Generalised by his hands  
carry a great weight. So if he finds he  
them I shall have done a public  
service - we have had long  
discussions over Coriander, & I like his  
arrangement better than mine. I had

by thought the Foreman's grouping  
very faulty.

You did include Carter's Fern in  
the last list (p 20). - as you  
have not kept a copy I will send

I want Arthur's book,

Sept 16/78

My dear Gray

I have only returned  
yesterday for a month's visit - to my old  
Indian friend, Sir J. D. Lee (Sir J. D. Lee C.  
is Mrs. Strachey's sister & very unlike her)  
& Phipps - who <sup>had</sup> most hospitably  
asked us to bring the 3 youngest children  
here & to camp with us! The  
weather was excellent but the  
country bore, & we enjoyed the  
great country life immensely.  
The house is a fine one, on the very  
bank of the Forth, some 5' West of  
Dunfermline & 20' East of Stirling.

Gray's Aug 15 & 20 followed me  
there - with Mrs. Gray's most capital



Journal - What a narrow escape  
you had! The narrative of  
it made me "feel queer" for  
you both. I have sent it on to  
Dear Church, who however may  
not yet have returned from the  
continent, whether he was going  
just as we left for the North.

As to Oxybaphus it is clear to me  
that I have been. I have put it -  
"Mirabilis et cetera" - That is the  
best solution. It is too late to rescue the  
cactus. -  
Yes the hail storm did frightful  
damage, & the labor it has  
entailed on all hands is grievous.  
not merely, the <sup>amount of</sup> damage done to the  
plants, & the great difficulty of  
storing them away during repairs,  
but the labor & worry of getting the

repairs efficiently executed by contractors  
not employed by ourselves, & the  
superintending of so many hundreds  
of painters, glaziers, carpenters &c, many  
of whom are idle, or inefficient, or  
careless, & most none of whom  
care a cent for the plants, which  
are indeed very much in their way.  
I am sure your hands feel it.  
My absence I got on to being well, but  
there is still a vast deal to do -  
& there are frightful areas of  
unresponsiveness to work up -

I find Herthorn wonderfully well,  
& very at orchids. I feel I cannot ask  
my solicitation. We have already had  
some long confabs. about the General.  
When is Sutherland he wrote from New-

Copy to.

May 26. / 74 Mr William's check \$	26.25
Sept 26. A. W. Curtis paid -	20.00
Foster's Farm	7.50
Trip to L. N. Y.	75
Sept. 20 / 7. Curtis paid ii.	20.00
	<hr/>
	\$ 74.50
- Deposit - for Road	50.00
	<hr/>
	\$ 24.50

What a delightful course you seem to  
have had in the Virginia Mts. Mrs  
Gray account of the Sunsets, & the  
Kalmia & Rhododendrons made  
by mouth water. I should have  
so much liked to have seen the  
Abies, Piceas & Spruces of that region.  
By the way I am so glad that  
you have witnessed Keweenaw to  
have Abies & Picea distinct. I failed  
in the attempt, though I used  
your argument (Adams & Lamb)  
I am Dr. Gracile, have you

any suggestions thereabout? just  
have the benevolence to glance at  
A.P.C. & let me know if any of  
suggest itself to you. Now I wish  
I had time to work over and  
Kerlan do - but we are getting  
tired with administrative duties;  
all the Indian Museum vegetable products  
is coming here, with £2000 to enlarge  
the Museum, £2000 from an Indian  
contribution to be hands of Ketchik the  
Indian collection etc. reporting etc. &  
the stories of one of them <sup>and pensioned</sup> officers  
Cooke the Fungusist - who was <sup>from</sup> ~~last~~  
in charge of the Berkeley & other  
Fungusist Herbaria.

With love to the boys

Chaffin

W. H. H. H.

now take up Palmer. Newman is  
deep & reliable. He will do them  
well.

Oliver birds can tell you there is  
already a Leptochamus & Compactus.

I am so glad that Engelmann has  
done your American Campers. I no  
doubt will.

We are tremendously busy in the  
Garden, still as it is disorder though  
the Hail damage & talent of the  
workers required. Now too the  
Indie Museum respectable products  
are on the move to us, what will  
require a complete rearrangement of  
all the <sup>3</sup> Museums, just as you have  
had got them into lovely order. -  
(a tremendous work) - Smith is  
much impressed mentally as well  
as bodily & we are often in great  
difficulty - he has been some time  
in leave. - he returns the 1st Jan

Feb. 28/79

Dear Gray

Thank you for asking Mr  
White & Mr. Munn to send me  
the long fragment of identified  
wood - It exactly resembles  
what I <sup>say</sup> found in Tasmania & a  
few feet - both in respect of  
the beautiful apertured center &  
~~characteristics~~ - like cortices -  
portion - I happily kept to me  
some of the latter for microscopic  
purpose & have sent a piece  
to Mr White by return of  
post.

Thanks too for the sketch of  
the front of "always" (sic & ignis)!

which I shall write to Mrs  
Gray about. I shall push  
it in my forward.

Mr Skinner will take care of  
Antoine & a copy of Ed 2 of  
Garden's Principles.

I am rejoiced that you talk  
of England next year. I would  
go to you if I could have left  
Kewtham but that will be  
impossible. & both Gen. Plant &  
Hig. make prep. heavy upon  
me with the latter I am in the  
middle of Rubiaceae & just done  
Hedyosmideae - I have not much  
to attend from the "Genera". really  
from the "Antis" family view  
I would not do better than  
keep up as I do Hedyosmideae.

die & Antis. - I however bring  
Alseodaphne & Frysonia into  
Hedyosmideae. & keep them up. The  
first <sup>part</sup> of 4 independent series  
with <sup>solid</sup> bare ovaries, & smooth seeds; the  
latter for its influence & curvatures  
to cellar ovary, with solid fruit  
ovule & only 2 stigmas! - Kewth.  
The fact is that Hedyosmideae may  
be knocked into one Genus without  
violence - & to my way of thinking  
Rubiaceae - Rather when sets are  
his systematic notions out of the  
keys to the "Genera" - intends to  
reduce the Rubiaceae to 200 Genera.  
- a very easy job after the characters  
of the 330  
have been worked out by others in  
the work done as he has other  
order without looking at the specimens.  
In the "Genera" I have  
just finished "Eucadidae" & much.



having then learned of the  
Museum! - You will be  
astonished with the  
Museum when you  
return to England

sure to do his best. But I do not  
expect much more work out  
of him. & I shall never  
set another in my place.

There is a lot of having a garden  
for medical students, in which under  
proper restrictions they may plant  
herbs. The Indi House gives  
£2000 for a portion of the large  
Museum, & £200 for an annex for  
herbs. The transfer will bring  
upon us in perpetuity.

Miss North offers to give us her  
paintings of flowers & botanical  
subject & build a gallery & then  
at a expense of £2000. To have  
flowers & the lab of administration  
increases perfectly. If I could afford  
it I would resign & work at the  
Herb. like Kew! - What an  
op. Mueller & not to be content  
with his post as for the Botanic.  
with £800 a year & a chance as


by the way, how could you have  
his little book on Victorian  
Ghosts; - it is inevitable  
& full of anticipation - The century  
Mysticism shows - well, look at it.  
& the inclusiveness of the manuscript  
often renders it a happy accident.

My concern irritates me some  
2 in Harcourt Reports - what  
can we do? Would a revised  
Colorado Catalogue be of any use?

I would get Porter's spirit in  
single paper of books leaving  
room for marginal notes &  
interlinearities for you to fill  
in with your ready-to-hand  
materials - which would work  
up the affair! - Then the  
annual conference with  
Lusk & ~~James~~ <sup>James</sup> ~~and~~ <sup>and</sup> I  
could do you good "to"

conference between E. & W.  
however. - Have you read  
what we can do about the  
Affair Here, I think it  
will be a serious point to  
have established.

I do you see allow more of  
that than I can - I fear the  
annual revision of the Catalogue  
is also approaching - Wm.

I must close now  
very with love & thanks  
to Murphy 

P.S. The matter of  
you & Helen & Goodell &  
you claim in delightful I am

a Gerontogee  
~~and~~ ~~the~~ ~~world~~ is visiting ~~the~~ <sup>a</sup> Neverses.

I am delighted to hear that Farlow is  
doing so well, I wish I could keep  
up a general knowledge of Cyprianian  
Nature, but I feel, like my father, that  
I am daily getting into a narrower groove.

Westman & I have talked long &  
much over the review of you, Streets  
& Humphrey Bates, - but the fact is that  
neither of us are competent to do it ~~in~~ <sup>in</sup> justice.

Iyer is retained for it  
by "Nature", & no one can do it better.

He is up to the mark, which we are  
not. We will help him all we can.

I am astonished at Playfair's "breathing"  
you to spoon victuals. He cannot but  
know that with scientific matters  
<sup>the matter of great men & famous is general culture</sup>  
you are weak & weak with us.

Perhaps we have no such man as  
same "theater physics" amongst us,  
or better chemists than you have.

My ab means just as clear as  
a lot of St. George's black. The W. India

Nov 28/79

My dear J. J.

You may guess how glad I  
was to get yours of Nov. 10<sup>th</sup> when  
I told you of a frightful scare we had  
some 12 days ago - a telegram came  
to Dyer from the Office of State, to the  
effect that you were reported deceased &  
she was asked to send a biographical  
notice of you! My heart beat at  
about every point, <sup>arrived,</sup> & I came down in a  
funk every morning fearing I might  
find a letter to the like effect on my  
table. Still I felt sure that Farlow  
or Watson or Sargent would have  
integrated to me.

Well, all's well that ends well,

I am delighted to hear that the

-book (I forgot the name)  
Coripectis is imperfect - It was, as  
you say, Gordon's City & took for  
Gordon <sup>by</sup> was complete! I am sorry  
that I sent it.

We are very busy with the India  
Museum collections, such wagon loads  
of trash, bales of cotton, sacks of  
corn, heaps of fibres, that have  
never been opened, showing a  
wreck of the civilization of labor money  
time, & also for nothing. - No wonder  
the Indian Govt is disgusted with  
it - We are distributing largely &  
shall have many holocausts beside.

I don't think Newman's  
suggestion of the dist- theory of the  
Gospel. Church is a very serious one  
with him; it is quite beside the

mark. - You will be interested in the  
Wards were such a the Embury <sup>fragmentary</sup> ~~and~~  
vehicle - to be published in Linnæan L  
By the way, that blessed body (the Linnæan)  
has got in a nice mess - Allman the  
most charming of men has proved the  
most useless of Presidents, & whether  
Officers nor Council do their duty

Nevertheless, I am doing the work of every  
Office myself, <sup>for so many years</sup> spit it them all! They  
are crying out for me to take the  
Presidency, but I certainly shall not.  
Now I never should with such a  
lot for Officers & Council, <sup>as Allman has got rooms here</sup> Croney is far  
the best, or rather the my terrible  
one; but he is immersed in his legal  
business, & has no time to attend to  
the Linnæan, <sup>lives at Blackheath & does not</sup>  
<sup>much in scientific society.</sup>

Yes, I will try & do the comparisons  
between Linnæa & Arct, about which  
I have thought a good deal. &  
which is I think my instruction. I  
will also try the sketch of what strikes



Norwich. Maria is working away at  
 the "School of Mines" (Physics & Geology  
 & Midology) & keeping up her Algebra  
 Mathematics &c &c for the French B. Sc.  
 exam of the L. University in July next  
 - a very hard thing indeed - she has  
 passed it - & with admiration: & as  
 she wishes to be a Chemist, it is of the  
 greatest moment that she gets the  
 B. Sc. of L. U., which is a very big & the  
 most honorable degree in Britain.

Reggie does well at school. & Francis is  
 at a small school of girls at Weyford,  
 very happy. Joey is a very forward child  
 & a regular informant Hercules for strength.  
 - a sweet tempered boy, & has a keen  
 eye for plants

Now with kind love to Mary & I  
 which my wife joins & report to all friends  
 love my dear live Mary

Yr affec<sup>t</sup>ed  
 J. M. W.

I have been thinking of you & your  
 children & how much I love you  
 Can you send me a bundle  
 of plants & telling me how  
 it is then an  
 Antonio who would  
 have to find them  
 for me

Hands are miserable ill & blood -  
 I have often dreamt of you &  
 I'm waiting & each at the  
 mountain peak of our land as  
 Dominica, (properly a capital) - I wish  
 we should easily buy 100 new & good  
 things.

I am sorry in dear old Cusplum's debt.  
 I like his new grouping of Pines very  
 much, I was prepared for most  
 of it, having been studying them much  
 lately - I arranged <sup>also</sup> the <sup>Crisp</sup> ~~the~~ <sup>crisp</sup> ~~the~~  
 for Bentham's work, & correlated  
 them with the Garden specimens. I do  
 not know when they had last been  
 arranged! They were in sublimis "state  
 of nature" -

I have done (yes) for Gen. Plant.  
 Can any of you ever abundant send me  
 half a dozen plants & some seeds of  
 your Southern Janine?

The Englishman with birds to a  
 hole boxed Abies (concolor) abounding  
 in the Sierras, I stick to it, that we



saw none - & not any did we see as  
one pale backed <sup>tree, but neither</sup>  
did we see any <sup>in the Sierras</sup>  
thing, at all

like the young condors which we  
have <sup>grown</sup> at New - or like the back  
of condor which Mandrill sends  
from the Park's. We got magpies  
abundant & grackles in the Sierras.

Condor (& subalpine ?) Colorado -

Newman's propriety will with  
injustice; it will be a capital work.

I suppose that water will overwhelm  
Rabbits' Liliaceae <sup>for the California Fl.</sup> he seems to me  
to have made an intolerable mess,  
removing Calligone from Luzuriaga!  
(into which latter genus he, following  
Kunth, puts my father's good Calligone  
polyphylla) into distant tribes!! dividing  
the distinct genera of both groups  
& omitting Phyllis & Luzuriaga  
altogether!!! - The whole group  
must be working up again.

I should so like to see your new

library & see it!! Do you sit there in  
the evening with Mr. Gray?  
The R. S. meetings have begun again, &  
I feel quite lively out of the chair, where  
I do not enjoy Spottiswood - though I do  
own to looking back to my Presidency with  
great pride, & I think I may conscientiously  
add without self-esteem.

We are republishing the invitation &  
living of society. My wife has taken  
to completing the catalogue of my  
father's correspondence letters - an  
affair of 44,000 letters, that has  
draggled on for now 15 years!

Berkely came at the other end of  
disputed at his range at New.  
Unhappily himself up, & has been in bed  
with gout ever since - I am always  
alarmed about him.

Wear all remarkably well. Have  
you heard that Harriet has given me  
a son - some 3 months ago - she is not  
strong, though not ill. Charles is  
looking out for a position at or near

Valley as "Belmont to the Field Army!"  
an appointment that sanctifies  
the African campaign! The  
Indic Club, moreover to me,  
sends Mr Brown with orders to  
put himself under my direction  
to say whether he should be  
employed in England in sorting the  
the collections & if so whether  
he should be appointed to  
H. Brown duty in Africa!—  
This is all I think in India  
but never a copy sent to me!!

I have however a communication  
on the same subject from the  
Indic Office here & have  
understood that Mr  
employed 3 months (he wants  
last back of April to Africa)  
in name & subsequently his

Dec 9/79

My dear J. G.

A box is being  
despatched to you addressed

with 44 specimens of Ceres  
of which 33 are Gordon types—  
I wish I could think them  
of "invaluable value"—but  
as Gordon's types they will have  
I hope a value in your eyes.  
This book is a bad one at  
the best: & all I can swear to  
is that the names are his.  
I have added a few misprints  
including two *Macrogermus* &

center & Cypripedium puberulum.

Please let me know soon.

1. Do you want more Cypripedium puberulum, if so I will have them collected as they grow at Kees - one collector is now quite superb. & they please freely.

2. Do you want a set of Indian named words? We shall have duplicates from the Indian Museum.

Perhaps they would be more acceptable to Sargent. When you kindly let me know

this soon as we are anxious to distribute the large mass of duplicates.

I suppose that you do not wish to be bothered concerning product.

I have still to arrange & distribute Gordon's dried specimens of Compositae - of which the first set shall go to you - though as much of them as Garden track, they may be more useful to Sargent. You must see to when they come.

Dr. Hitchcock (of the Indian Army) is here with his dried collections made in the Himalayas.

Collection. The Museum has  
10000 Shells (say 8000) &  
he has also of duplicates  
& excellent specimens. So you  
may rely on a fine lot.

Thanks very much for the case  
which arrived yesterday & is  
under Oliver's charge. When will  
republish upon it.

I have no news, we are all  
well except Joey who has a  
cold & cough which keeps him  
in a chair most of the consequent  
irritation. The weather is much  
detectably <sup>on the ground</sup> colder & darker with  
light snow & then very for  
15° to 33°F.

Ever affly  
Jr

B. Brown

Aug 9/80

Dear Gray

Before sending the  
Mongrel & Vertebra Strip.  
Clytly (which I have brought  
from Schenck & with to  
present to Farkner's Laboratory)

I should be glad to know  
whether you or his Dept.  
care to purchase any of  
the other <sup>collections</sup> which I have

taken off Schenck's hands  
with the Mongrel Skelton;  
& which I offer at the

price I have paid him  
for them. I enclose a



a list. May the such  
things that there is the  
smallest obligation to  
take any - there are plenty  
of purchases of such things  
at double the prices.

I do not want to make money  
of them, but if I sold them  
to strangers I should. Just  
a just price a state to  
reimburse me for sundry  
expenses connected with  
this Schimper purchase.

I will urge Kuntze to have his say  
on the Taxonomy & Photography of the  
Leaves book, if even so short.

Thanks for trying to get our Jamaica  
of Florida. -

I am still at Indian Rubiacen &  
have just done Psychotria. so I am  
well on. I find that the work gives  
satisfaction in itself, which is a comfort.  
Clarke is busy putting the Compositae in  
order for me to describe, after which I  
shall let him go on.

The last sheet of Gen Plant. (Gymnosperms)  
is under my hand. Kuntze is  
1/3<sup>d</sup> through Orchidaceae (in 4 months).

Dr. A. C. Smith on (for the African forest)  
has arrived with a collection of some  
few species. - He returns at end of Feb.  
after distributing his plants of which  
you shall have a good set. There are  
many new species.

Perrin of Liam is here with large  
collections of which he will give us the  
best set. - He has Squamellae with the  
Garden of Plants.

May 14/80

My dear Gray

Though late in the year  
I pray accept for yourself & Mrs  
Gray, my wife's & my own most  
heartily good wishes.

The Apples arrived yesterday  
American Sweet only. found fruit  
& monstrous good, though sorely  
bruised. You ask what I have  
paid over & above what you have  
paid for me (0.15.0). just 7/-  
to the land me is about 1/-  
apiece after repaying the helpfully  
bruised. The custom of sending  
apples in barrels without packing  
is destructive. - They have all large  
bruises & putrefying sores. I shall

suppose the price of purchasing in  
Convent Garden Market &  
compare. Now let me

Thank you & Mr. Risp most heartily  
for your kind trouble - I do enjoy  
them immensely & have distributed  
2. Oliver, Harriet, Smith & others  
as to comparing them with English  
Apples, (when there are any, there are  
none this year) it is impossible.  
We have nothing the least like  
them, any more than we have  
like your Newton Pippin or others of  
English names, all are sweeter, & far &  
more juicy than any Apple we have.  
So also I suppose you have nothing  
like our Ribston Pippin or Monarch.  
It is impossible to say that any of  
them are better than the others - what  
you best as regards is, is the uniformity  
& abundance of goodness - So too with  
your peaches, we have only a few &

very costly good peaches, & I think the  
best of them beats any thing you have.  
but for <sup>your</sup> abundance of an excellent  
peach we have nothing whatever -  
Last year also the fruit was bad, even  
strawberries - So much for the palate

I do not understand from you that  
Gordon's Pine Apples have arrived - if so  
I think you offer too much for them -  
but do not think of paying any thing  
till I send the dried specimens -  
which I shall do as soon as the  
season affords me daylight enough  
to sort them - when I am sure that  
£5. will be enough for the total - if  
not too much.

I am delighted to hear of the  
Porto Rico collector & have at once  
posted Greenbach's Flora to him.  
I know of nothing particular wanted,  
but will gladly pay for seeds of  
Palms, & such plants of Garcia - &  
for Orchids.

We are overwhelmed with Indian  
Collections of woods & all sort  
of things & have had  
huge bonfires of rubbish -

We shall send you a nice lot of  
good things in the Museum way -  
& Goodale much unless there is  
disturbance there:- They have been  
procured at great cost - we have  
no room or appliances to store  
duplicates:- & so you must take  
some! - I must close: - Write

Ever affly yr  
W. M. Mendenhall

I shall be delighted to get Mr.  
Norwester Pippins. & pay for them,  
if you will kindly be my agent  
with Refr.

upon which he writes that he is  
most anxious to have Strasburg (he  
is quite young) & get a modest  
Professorship in the States, & suggests  
that a presentation of these collections  
may be a bait to some college in  
the States to take him! - & asks  
me to indicate myself with you in  
that direction! - What am I to  
say? - Perhaps that on you with  
him over in Autumn, the matter had  
better stand over...

Also I have bagged old Goodenough's  
Herbarium for him, which had  
remained in Carleil's good preser-  
vation & bag of no use then, &  
remained the authorities to present  
it here.

I am busy at the Palace of Gen-  
Plant! They want a very great deal  
of work & I am surprised to find  
how well Pfeiffer's work is. I cannot

May  
March 14/60

My dear Gray

I have yours of 29<sup>th</sup> April.  
& thank you much for all you  
have done in the way of paying  
bills &c. - I shall square up at  
once & let you know the  
result. - I am also greatly pleased  
with your discriminating notice  
of Gen. Plant. - Yes I think  
it a pity we put Cheery-pais  
into Mass., & that we did  
not lump all into Cupressus  
with Leboedreus too! - This to  
me the most interesting & curious  
aspect of working at Gen. Plant. -  
to find how cautious our sets  
in lumping like one has<sup>th</sup>, which



Mr. Kingston to deal with. Compared  
with what does is working  
at last I was - I ought to be  
on the other way, but it  
was not so. I find I have made  
seriously my poor Emma & Rebecca  
but I cannot or with Railton  
is taking the course of H. head.  
He intended to continue knocking  
them; he is in this way the  
most impudent plagiarist I  
ever knew. I cannot understand  
how a man capable of such good  
work, & that has done so much  
can condescend to scribble by scraps  
spate as he does for Geo. Thos.  
using characters never before used  
any one & never seen by himself  
as if they were the results of his  
observations.

We are going to have Schimper  
Museum; Guy I offered them for

£200 & I could not resist the offer -  
though my cash-box was emptied by  
Charles's participation & his expenses, & I  
immediately <sup>intending to present them to Mrs.</sup> ordered them. Meanwhile  
Dyer, like a good son-in-law, wrote  
to Lady Mordaunt (mother, who was a  
patient of his father's) & obtained  
the purchase for her to her, via  
diplomatic letter, that trick, & so  
I am relieved of all to her! - It  
is to my feelings a glorious addition  
to my father's Mossy Woodhouse.  
At the same time your Schimper  
offered several sets of published  
Lycopodiums which we have: &  
thinking of Farlow I offered to find  
a purchase & that if the price  
was moderate - suggesting the possibility  
of America. The best is low price  
(£17 for the whole including Mergals  
& Venter!) that I scumbled at once.

get results. Meanwhile I am  
constantly establishing a cottage in the  
country, within rail road reach of New  
York. The life here is a wearying one from the point  
of view of being one's office, & so we  
have no day or home to take over our  
family included. The air too does not  
agree with my present wife as much  
than it did with my last. It is so  
relaxing - I carry out my ideas (or they  
are no more as yet) with much a  
large sacrifice of capital laid off for my  
children, but so I must see that it  
is a good investment, as well as an  
immediate advantage.

Pierre of Saigon has been here & left a  
fine set of the first order of his collection,  
many good things & more: we liked him  
very much indeed.

Love  
L. H. H.

W. H. Hooker  
Vasey writes asking me for specimens from  
Missouri Park. but there are none!

supper that he would have  
mentioned it being  
printed. - I am disposed  
to accept an entirely new classification  
of Arceuthobium founded on the  
flowers. Unfortunately it will  
play "old Harry" with some genera  
- Arceuthobium <sup>of this</sup> new Arceuthobium work  
is a wretched perfectly perfect  
Martin was good, very, for the  
day, but later decisions indicate  
great changes. Wernstedt's work  
is very so so. <sup>Blum's &</sup> Scheffer's Reichenbach's,  
as is Reichenbach's. but also seen to  
have misread what I conceived to  
be the principles on which this  
group should be divided up.  
But I have to depart. very  
shades & I must close my  
specimens. Looking <sup>over</sup> the Reichenbach's  
is a fair one (as <sup>Palm</sup> Reichenbach's Co) &  
we are getting <sup>up</sup> a good large paper

collection. I have just finished  
printing Rubens for Fl. Rich  
house. I shall soon begin  
Carpenter. That is the descriptive  
work at present, for what with  
my own work, followed by Thomas -  
then Clarke, <sup>comp. his</sup> then Merula &  
for March, & lastly Clarke again is  
compiling references notes &c for  
my use, I expect that there is  
not much beyond careful designation  
descriptions to do. So I have left  
Clarke upon Lilies, in which he finds  
I have left him little to do!

I am astonished at how  
freely so much work & the same  
in ~~these~~ American letters. I  
thought that he had mastered  
them long ago!

Our garden are interesting & able  
labour ~~last~~ two nights ago at

the "Colonial Institute" in ~~the~~ <sup>the</sup> ~~British~~  
Garden & their foundations - it is  
a New Manifesto which will do a great  
deal of good.

Ralph has returned from Sweden  
with four collections & a fine few,  
which he has not yet found time  
out till on the point of leaving.  
He has brought him plants of the  
the Scotina & Dragons blood  
(Dracena rubra of Styphelia  
apparently) which have been  
known since the days of Dioscorides,  
but not to Botany. He arrived  
just a week before the commencement  
of his lectures at Glasgow.

Our garden dealers do not give  
up & sometimes do with that  
I would afford to debarbap myself  
of them - but that cannot be

hey & baggage - & it shall not be  
my fault if we do not go to the  
continent together. & to Madrid if  
you please. - what does say to  
cruising to Tampa? for a day or two?

I have just bought Schirmer's  
Mops & Barren. & the hope of  
the Pub. Co. entirely done here or  
then taking it off my hands -  
when I get, whose father was  
Magician to Laef Nordste Center,  
addressed an advice letter to that  
notionable lady, which nullified the  
much money out of her pocket!  
by L. Lov. - Gray Schirmer has  
several sets of published by the  
~~noted~~ ~~noted~~ to sell, amongst  
them Mages & Nestle. These  
I shall buy on charge of reselling  
them. - In other than cheap  
fashion shall have first choice.

3  
May 23/80

My dear Gray

I have several unanswered  
letters of yours - & left time there  
over to answer them! business  
seems to increase every year  
& I do long for release from its  
trammels - but I must work  
to live, & determine of living  
do not increase. In add to  
my troubles my wife has knocked  
up this spring - with Neuralgia  
weakness & loss of flesh - so  
valued as to make me uneasy  
She has been away from home  
for a month in the west, with  
her parents, which has done



has much good. She would  
visit when completely the  
catalepsy of my father's  
Natural correspondence, a  
frank job, which helps <sup>her</sup> to  
rest at night, & turns her  
eye & back. She was ambitious  
to do such a piece of work for  
me as my dear late wife <sup>used</sup>  
to do. But for some she has not  
the literary skill & ability. I did  
ask I could represent it - but she  
is vain. In this house, which  
is surrounded ~~with~~ will collect  
in London & all parts of the  
country, it is enough for the lady  
to attend to house-hold duties  
& the children. We are also  
engaged in a chronic struggle

every  
against my parents: I know what  
an big feeling - what an letter  
best to have a sweet friend on  
the story with us, which is a  
love square for not going straight!

A thousand thanks of the good  
black of ~~John~~ <sup>John</sup> which with I hope do  
as well as I please do. I have  
planted one out of the other is a  
net in a frame & both look well

I thank you with great & heart  
improvement in our herbaceous  
ground when you come over.

I cannot tell you what  
happens the probability of  
your coming in autumn gives us,  
I shall make up my holidays  
for your arrival - you & Mrs  
Grog must come I thought to us.



Algebra, Arithmetic, & Geometry, Physics,  
 Chemistry, & History: - very tough & abstr.  
 & a failure is any one is fatal. The  
 second <sup>exam</sup> is more special & a man  
 who is in Chemistry I think (if  
 he gets on to <sup>it</sup> that) - The stiffness of  
 the examination is being remonstrated  
 against, & I think justly: for no one  
 is allowed to come up again for a  
 single subject, at which he may have  
 failed: he must come up for all  
 & this not till a year has elapsed.  
 Consequently he can do only that  
 year make no progress in his  
 professional education - he must  
 keep up all those subjects to  
 examination pitch. The Directors of  
 the School of Mines is pretty stiff  
 too, but not so comprehensive.  
 Rogers health has been very good this  
 past winter. - he keeps well ahead of  
 his school. Joy propagates an everwell  
 & is the admiration of all beholders. I shall

What a capital digest of Mines  
 Lupton has made,  
 what an able fellow  
 he is! I shall write notes  
 have above considered the Mines  
 that is when we were

I pity you with Arter - I hope  
 you may not have forgotten them  
 by the time you come over, as  
 our living ones want another  
 verification! & they will then  
 be beautiful.

I am busy with Palmer for  
 Mr. Martin an awful job - it  
 must be very much a compilation  
 Old Martins is so excellent work.  
 The reduction of the modern  
 Geology <sup>with</sup> ~~but~~ my great difficulty  
 young Balfour is back from  
 Scotland with excellent collections &

I am proud to show her to Mr. Gray with you &  
 I am very well & wife & children  
 Mr. Gray is well & Mr. Martin

a smart attack of fever just as  
he was leaving. Benham is  
driving away at Richfield  
with her wounded leg. We  
went together to Murray's to  
pick up the Helianthus for Helen  
when it is safely delivered. I  
wish it were arranged! Amongst  
numerous other things we found  
Wilke's grammar, which will be  
retained for 1/2 p. Benham.  
There was undoubtedly the debovement  
of the bundles of loan collectors  
some of which are horribly mixed.  
The Agrostographia book will  
form a small reference library  
to be placed near the Grammars  
of the Helianthus.

In domestic matters we are pretty

much in danger, except that  
Charlie is off my hands. I have  
bought for him 1/3 of the printer  
at (Ottobah! which is much  
increased since Tom Lander was  
there the railway was running  
through it. I pay £6000 down  
& Charlie will have £200 more  
to pay by instalment - for 1/3 of  
a printer of £1200 for annum  
Man is working hard at  
Ottobah at the school of <sup>Misses</sup> ~~Ottobah~~  
& also for the H.A. dept. of the  
H. University, a horrible rough  
job, at which he urinates more  
than half are annually blocked,  
& the rejected waste prevents  
themselves again! There are two  
beavers, at <sup>to pass</sup> intervals of  
a year. The first - includes

I am all behind: Garden work,  
 & very much put out. The ladies  
 Museum has thrown every thing into  
 arrears, & Smith is not the man  
 he was at all. Then too Davis  
 activity has greatly increased the  
 work, whilst his ability & skill  
 has methodised it to prodigious  
 advantage: I say <sup>(date to him)</sup> the  
 Enclosed "Report" has brought a  
 large accession of correspondence,  
 especially from the Colonies which  
 are very active about their  
 National & North: Gardens. I am  
 over on his holiday next week,  
 I cannot remain behind.

I am still much occupied with  
 the amendments of the Arboretum

I have not forgot the "Museum  
 Plan" for Garden Report, I wish  
 I could! - I have thought much  
 much of it: but Bessie's fidgets  
 about the "General" & long of H. Palmer

Even all for  
 the Garden is magnificent  
 I feel high: can it be any  
 more of a  
 concern?  
 I have said so  
 a good many

Aug 8/80

My dear Grog

Of course I was on the point  
 of writing (I always am!) when  
 you arrived a few minutes  
 ago. My principal object was  
 to say that on your arrival at  
 Liverpool you shall telegraph  
 to us by what train you  
 come up, taking your ticket  
 to Willerden & labelling your  
 luggage for that station,  
 where you shall be met.  
 Willerden is only 10! rail from  
 here, & we have plenty of  
 room for all your effects.  
 It is one of the huge ~~thick~~  
 suburban junctions at  
 which the Liverpool trains

stop & take<sup>all</sup> the tickets, &  
discharge such passengers and  
branch off from there for other  
series.

As to Spain I am agreeable  
to November Dec<sup>r</sup>, which my  
wife & I either is your choice.  
We must be back a little

before & more for the children.  
I shall have a great <sup>many</sup> coats  
on the journey, so long, bring a  
lot of your old ones !!! - for it  
will be very cold.

Bentham has just done the  
outline, & talks of doing the  
Grammar! - I am failing at  
the Manus, the hardest work  
I ever had, I have only done  
50 Genera in 6 months. & may

of them are very imperfectly known  
I find Wendland's work remarkably  
careful & good. I am glad to say  
Schaffer (a great help) also did well,  
Kearney has finished his preliminary  
work. Martens of course is splendid  
but had no material for the  
American. - We are better off for  
specimens than I expected, between  
Museum Journal & Herbarium, & I am  
getting Kearney's on loan, also  
Lalonde & Ledger (which has  
added nothing for years!), & I  
am writing all over the globe for  
specimens. This is my old &  
very queer order, full of monotypic  
genera that I cannot write,  
founded much on habit, with  
a singular conformity to  
Pursh's & on the whole I  
faintly too. I have tried no other  
style like it, except Monocera.



present my business for a couple of years,  
least I borrow, or sell out, which I cannot  
afford to do. I am employing Mr. Waller,  
<sup>Myself</sup> ~~Myself~~ son & also an Architect - he lives in  
Gloucester, but is taking work about  
London, he is not as thetic, & is sensible,  
has no façade & has the reputation of  
never seconding his customers. I like  
much what I have seen of him. (P. 15. 15. c)

Then since enclosed note & cheque  
to S. Watson, it is for Palmer's plants;  
he charged for 1441. but there are only  
1156 there, less 99 in a supplementary bundle  
which was not <sup>for</sup> charged for. It is really  
as much as they are worth, we would rather  
have paid double for 1/2 of the collection,  
had it been weighed of common things.

Now I must close, I want to write  
to write to Mum & Dad, my best love  
to them. & kindest regards to all  
near.

Wm. A. J. Jones

Aug 6/11.

My dear Gray

We miss you & Mrs Gray  
awfully. The Sargent-look-  
miller is still cleared up. I am  
getting old & stupid; & like  
Wentworth, troubled with many  
things.

I have written to Hester asking  
how he wishes his money paid.  
(some £ 45 odd.)

Norke Garden so far settled that  
the Board given £500 towards  
its formation, & we accept good  
plants. We stinkily & very  
sincere walk through the  
grass parallel to the W. walk



of the hibernous ground, to the  
West of it -

I have sent a long statement  
to the Board of the want of aid in  
my department, adding that I am  
no longer able to carry on the duties  
with the existing income at my disposal.  
I have prepared the Treasury for this by  
sending privately a copy to the Permanent  
Secretary, & Lubbock has brought it  
under the favorable notice of Lord L.  
Carnarvon, the Parliamentary Secretary.  
But it must of course go through the  
Com. of Works, & before has paid no  
attention either to it or to a reminder  
which I sent begging him either to  
deal with it at the Board or forward

to the Treasury. It is now just 6 weeks  
since it went in! What I want is a  
small "Treasury Committee" to sit on the  
conditions of New. Milford (the Secy of  
the Board) urges it, & the Treasury is  
prepared to have it, but the F.C. will  
move: it is desisting.

July is with me again, & at Penton, where we spend a frequent quiet week, I would like to say at Devon for Gen. Plunk. Have you any hints for me?

My sister Elizabeth has been very ill again with rheumatism. Maria is again with her. I am in the care of a Medical Officer, & I am here, who undertakes many of the cases of insanity.

I have arranged to buy 10 acres of Walsingham in Norfolk, at the back of St. Andrew's, which is 3 times more than I want, but is much a comfort with respect, & I can sell half of it if required at some future time. It is a cultivated vineyard, but it will

March 2/81.

My dear Gray,

You will think we never  
are coming - but I find that  
we cannot get off till Saturday.

I am on of a committee of 3  
to advise on the cutting down  
the trees over several acres of  
Kensington Gardens, an operation  
at which the public voice &  
the better informed care things.

of the Philomist. I have before I

have since <sup>of meeting</sup> Brody for the other  
purpose. It is not of much

importance that I should be  
there, but it pays 5-9!

Inc. - Hyacinths so loved  
~~but~~ with his journey in  
Lynny, that I shall be glad of  
a days rest, before or after  
packing, for her. - I hope that  
this will not let you move  
out, & that Mrs Gray has  
need of the time in Paris. I  
will also make sure to finish  
my part of the New Reports before  
I go. - I am so sick of this  
inconstant grinding work! -

We found my sister as well  
as I expected at Lynny, but  
that is not saying much - she  
laughs & jests a deal, is immensely  
thin, & very tired. Still she

was wonderfully cheerful & glad  
to see us - She is counting much  
on seeing you <sup>both</sup> in summer at  
Lynny - we left Joe  
flourishing - he wanted to know  
what made the sea move? (No  
waves). -

I fear I am a horrid  
bore to you - with love to  
Muefry for us with  
his affy V

V. W. Rogers.

At an looking with great interest  
to see finding some good ones:  
Pots Rio, & Fendler & Thiers ad.  
Wright's Cuban one are also  
distinct. & one of them *Grieneria*  
*Wittmannia compacta* is a new genus  
having nothing to do with *Wittmannia*.

I keep up *Cryptinae* but it is awfully  
near to *Livingstonea* & characters  
differing in the glabrous ovarian capsule,  
which otherwise (not covered in)  
& subacicular embryos.

The Grog are well & as  
usual, visiting every body & every  
thing with unmitigated order.  
Their vitality is astounding even  
for Americans! -

Very sincerely

J. B. Moore

June 26/88.

Dear Mr. Watson

I have to thank you for  
your of May 21<sup>st</sup> & your  
kind & courteous & respect of  
Purpus' Texas & N. American  
collections which have all  
arrived in the latest order.

The bundles for the  
British Museum, Dr. Knauth's  
& Mr. Gray have been all  
duly delivered.

With regard to the price  
of Purpus' plants, Oliver  
rather declines to do it &  
Dr. Gray agrees with him that

it is too high. Prof. Oliver  
Repat to me is "I cannot but  
think that the price of the  
specimens should not be over  
30% of the 100. They are by no means  
always so complete as we  
should like, & they are  
undetermined; besides the  
localities have all to be  
written up from a separate  
Schedule."

I have not seen the specimens  
myself, but as Oliver is out to  
gravel, & has plenty of  
opportunity of judging of the  
market price of dried plants, I

do not feel myself justified in  
paying so large a sum of public  
money without at any rate  
raising this question of the  
value of the goods.

I sent you a post card the  
other day begging for flowers &  
fruit of Chamaecyparis Nystroia for  
Gen. Planch. - it is no doubt a  
good genus as Woodward has  
established it, - but like all  
his genera they want analysis  
the now & full descriptions.

Sabal serrulata has nothing  
to do with Sabal & of not a  
member of Cham. Nystroia much  
be another new genus.  
The names are most confusing  
- they are evidently very badly mixed



HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

July 11<sup>th</sup> 1889.

Dear Mr. Joseph,

Your favor of 26<sup>th</sup> ult. is at hand.

As respects the price to be paid for Dr. Palmer's plants I can only refer the matter to him, he is now in Tennessee and I will write him as soon as I know his address. The understanding with the original subscribers was ~~that~~ <sup>as far as I understood</sup> that the price paid per hundred should be the same as in the case of the previous collection made by him & Dr. Parry in Mexico, i.e. \$10.00. The payments made up to this time have been upon this basis, and without objection on the part of any one so far as I have heard. For any ordinary collection this price would doubtless be a high one, but considering

I do not recollect whether the  
price was ~~at~~ mentioned in my  
letter to Mr. Hensley; but it is  
my impression that it was.

the difficulties and risks which  
attended the work I really  
think that he has earned the  
money. Nor do I clearly see on what  
ground <sup>of</sup> Palmer can make a discrimination in  
I sent you the other day by  
your favor.  
through Dr. Carey flowers of *Salvia*  
*arvensis* & fruit of *Chamaecrista*  
*hydrop.* The flowers of the latter  
we do not have nor have Prof.  
Sargent. I have written to  
Mr. Curtis to secure them &  
also to Dr. Vasey at Washington &  
hope to have them for you before  
long.

I am happy to hear that  
Ernest is likely to hold her own.  
I did not think that Hensley  
was to come so soon proving  
about her domain.

Yours very truly  
Frederick Watson

July 28/81

Dear Mr. Watson

Thanks for your letter.  
About Palmer's plants. I have  
referred to your letter to  
the Melusky, in which you  
state that the price will  
be "about <sup>his</sup> usual rate  
of \$8 to 100".

We have no wish to spare  
you to depreciate or beat down,  
but when I tell you that  
one very common form  
occurs under 11 numbers

& that there are many more

plants in 2-3 plants,  
the 68 number of Ferns numbering  
themselves into 30 species & varieties.  
You will I am sure see that

in justice to my employers  
<sup>should be wrong</sup>  
I ~~cannot~~ <sup>ought</sup> to let the  
price of 40/ to 100 half  
unchallenged.

Thanks for the flowers of  
Sabal serrulata & plants

of Hystrix. I shall be very  
glad of flowers of the  
latter also & leaves too.

Ever truly,

W. J. Oliver.

I shall have some more  
of Palmetto plants coming &  
let you know the result.  
I hope you had not seen  
that any favor should be  
shown to him, only, Paris  
May.

James Watson Esq

Dec. 31/81.

Dear Mr Watson

Prof Huxley reports to me  
that the number of species in  
Mr Palmer's collection is 1156, less  
99 which belong to a supplementary  
bundle which is said not to  
be charged. - That is 1057 to  
be paid for at £30s 100.  
which is £15.15.- for which  
I enclose cheque. Prof Huxley  
can send a list of names if  
required, but I suppose that  
you know them better than  
we do.

I suppose that Dr Gray is



Please send receipt.

have at work again. - I do hope  
that the American Stone will  
now prosper again.

I have finished the Palace for  
the Plant. & have begun the  
Groids, reverting to Schott's  
descending Guffee's system  
as another natural one  
practical.

Yours very

truly

J. B. Hooker



but the building is obscured by  
too small, & we are hindered for  
admission at the gates hard by,  
where there is no porter - & where  
the resident <sup>foreman's</sup> complaint of the  
inconstant ringing of the bells &  
applications to get in. As it is  
obvious that the garden are  
street wide, if the gates are made  
open to the public, become a  
mere lounge & place of appropriation.  
The house will remove the gates  
higher up the road, towards Richmond,  
& closing the Richmond Gate, make  
<sup>removed</sup> this one the chief entrance to the  
back of the house. I have  
informed a sketch for where  
a winding path would lead

straight away to the Pagoda, & make  
a beautiful approach.  
Nerthan has been weak & badly strayed  
this winter, but is I think all right  
again - he is spending this month  
with us, which his house in London  
is being done up: & is now by way  
rich converting the keep of the last street  
of Richmond. - I have finished the  
Naiah - not quite following Micheli,  
or Engelmann. I have differed from  
the latter with great diffidence, but  
am sure I am right, as is Nerthan,  
after all it is only a question of a  
transposition of <sup>a few species</sup> ~~species~~ of the Cruciferae  
Alvina. Alvina domina & Alvina &  
Micheli's work is very good. I was  
to have done Cruciferae, but Nerthan  
finds there is close to Liliaceae that  
he wishes to undertake them.  
I have finished Apoecyane of the  
Mich. hae., & have had to modify

Report of the Brit. Association  
for the Advancement of Science 1881

Memorandum

See Report of Brit. Association  
1881. York Meeting. -

In Huxley's address, p. 734.

Sentence beginning,

"These results opened up a  
new channel for investiga-  
ting the phenomena of Distri-  
bution. &c."

If this is to be history  
it needs to be corrected by  
the following mem.

1. The paper by me in  
which ~~the~~ <sup>the subject</sup> was "entered upon",  
was communicated to the Amer.  
Academy in August, 1858. &  
was published April 25, 1859.  
The 1<sup>st</sup> edition of The Origin of  
Species is dated October, 1859.

But I knew, by correspondence,  
the main points of Darwinism.

2. The statement is, that what had been published about Arctic fossil plants - *Sequoias*, *Taxodium*, &c - opened up to the views which I put forth first in 1858-59.

But my paper shows that I had ~~some~~ no knowledge then of this fossil arctic flora. - which would have been such a capital point. -

And I state, in my Deluge address that I knew nothing of all that, but reached my conclusions without this knowledge. Indeed how should I have known this in 1858-9, when, as Hooker states (date in footnote) Deen's first publication on the subject was in 1852.

The generalisations were reached

in a way wholly different from and independent of what is implied.

I said as much to Hooker the day after the delivery of the address.

But it was already in type, it was awkward to alter, and I think he did not really understand it or take it in.

Note, also, the sentence "When studying the collections of Japanese plants brought by the officers of Milnes' Expedition, Dr. Gay," &c. -

Milnes' Expedition, in Asia was wholly south of the Equator - far away from Japan!

July, 1882.

Asa Gray.



x Went / also for R-1 Office & several Officers, with 5  
1000 paid about and have done for Kew! Many the Liberals.

he has done: - 17 more added  
Treacy's answer. Would you believe it - they  
may build for an increase from 100 to 150  
I am extremely busy: The Arboretum &  
London, the October sales brought down many  
trees & 1 got a grant of £500 to cut down  
more, & clear large spaces for new  
plantations, a very responsible duty, left  
to myself. Then there were 2 belts of  
Joakim's plants, left to Ken & his wife,  
a large American herb area, & an extraordinary  
collection of living plants. This took me

March 4/82

Dear Gray Yours of 19<sup>th</sup> this minute  
received; I have been needing a  
letter to me for some time - & now have  
to open the correspondence with bad news -  
for Aunt Hannah (Mrs. Brightwell) died  
2 days ago - <sup>at Brighton also</sup> she fell on the door-step of her  
house at Brighton - with open the Yersores,  
bled much before the doctor could be got -  
to stop it: took Symples; recovered of  
that; boils formed at back of head &  
she sunk right before death - I feel her  
loss very much, as she is amongst my  
earliest of recollections, <sup>to me</sup> <sup>my</sup> <sup>est.</sup>  
when I was much older than I am - & I had  
counted on going to see her at Easter.

Grada & the dismals, Berethren has  
been very unwell, & is so thick, much  
impaired & even by a throat cough with

Expectation said not to be immediate,  
but my weakening. He has been away  
from Herby a good deal, though he  
now drives up & down - he looks a  
good deal changed. I am trying to get  
him to go into the country with me  
- not helpfully. However he is at Litchfield,  
but on a proof of his weakness he  
will not come over to this house even  
to call on the Allmans, who are  
staying a few days with us - he fears  
"cracking the floor" - though the weather  
is sunny.

We are all well, though my wife is always  
complaining of being tired & is hungering for  
the County House. The deeds of transfer  
of land of which are still in the lawyers  
hands. As to building, it must depend  
on whether my salary is to be raised.

Last November I sent a Memo. on the  
indiscreet <sup>without which I would not go on</sup> County of Herby by a Clerk,  
over whole term to be given with salary of  
£700 - which to be raised to £800 & a motion  
made to Herby - A proper officer to be found;  
& office keeper <sup>appointed for Inspector office</sup> more hands & better  
pay for & foreman; I said nothing about my own salary.  
I would get no answer  
at all - though I often wrote urging one.  
At last I wrote a strong letter to Beeson,  
calling his attention to my Memo., adding  
that I was both the Police officer & the  
clerk of the office of the Board, that I  
claimed attention myself & that  
they would get no conception for the way  
they gave me; & that it was time the  
whole Committee of the Board were present  
I got no answer of any kind - Then I went  
to the Treasury, who advised me to write  
a categorical demand that I should be  
informed whether or not my Memorandum  
was to be sent to the Treasury. - This brought  
an answer that the subject would be  
brought forward for a general revision of the  
whole office of works & <sup>next year</sup> I wrote for  
a categorical answer to my <sup>first</sup> Memo. -

P.S. Oliver wants to know  
whether we should order the  
candles - I suppose not & that  
we can get much good candle  
through your good offices.

The 5<sup>th</sup> set of certificates not yet  
received, we have paid for the  
previews I believe

after to Wimbledon - & we got the last  
class on, three days ago.

Then we are making a  
rather extensive Rock Garden, for which  
the Treasury gave £500 - it is a the  
piece of ground West of the Herbaceous  
Ground Wall, between it & the Orchard &  
House. - it will be a very winding trench  
some 3-4 feet deep with high banks  
& banks of stones, roots of trees & all  
along it.

In the laboratory I have  
been going through the Pinetum, adding  
transplanting & manuring.

In the Rabarbari our best arrivals are  
Madagascar plants, & Central species -  
Abundant Lichens are coming in  
in huge boxes. Hewitt Watson's came  
I think before you left.

I need hardly say that with all this  
work on hand the Plant. Soc. slowly  
on & H. Mich. had shown still -  
I have taken up Prunellaceae for the

little, which from them will be a heap  
of Charles' work all ready to go on  
with. I have finished Pandanus  
2. Celastraceae, & Euphorbiaceae (3 or 4).  
& whole of Euphorbiaceae & perhaps  
Asteraceae. I hope you did not

know Professor Arvidson, it is a delightful  
camp. M.T. Brown is a good  
help.

Kaliforn is still working at his  
Southern plant., himself as Mich.  
Cent. Amer., Trile is here, at S. Am.  
Palm, which he knows well.

Thatcher of the Fish Game, L-  
will be most acceptable.

We dine at the X? the other day &  
met the Blackfords.

I am very sorry for Oscar's death, he was  
my earliest Paris friend & in 1845-1 spent  
many happy days with him, & many  
others of whom he is the very last! -

The Symphoricarpos & Woodsia seeds  
are most welcome for Herb.

I have told Oliver to have Watson's  
California Herbarium sent over with the others.  
& our dearestest notes for you.

No wonder you feel the strain of  
accumulation; to me they are crushing.  
& the no less of the increasing labors  
of this place. Charles Wright should  
do good work for you.

Dayton Jackson is busy at the  
"Hundred" which Darwin has so liberally  
misquoting.

Herbert Spencer is going over to your  
side of the Atlantic in August. - How do  
you like Oscar Wilde?

With love to Mary & all  
W. Hooker

Each Nephew. - I have sold  
£500 of books to Whildon -  
most of them a good residence -  
Others I was sorry to see go -  
I have kept Inquisition, Reputer  
& all ordinary books of reference.

I gave your note to Spencer;  
he does not go till Autumn.

Wm. Lloyd Garrison

J. W. Moore

March 31/82

Dear Gray

I send a list of West-  
American *Cladonia*, taken from  
Watson's Place, which with 1 Month  
Asterisk you, & corroborate the  
remarks I once made to you as  
to our poverty in your later  
discoveries. No doubt many of  
the plants are unique, & thus  
most rare. The list has  
been carefully checked, first  
by Steudler, then by M. Reichenow.  
I can be thoroughly depended  
upon (John Reichenow).



I have no more - The Summerville  
lot of land is not bought yet.  
The lawyers are haggling over  
terms.

I am at Norwich for  
Gen. Plunkett & previously busy  
in the Aberystwyth.

May I write Mr. Gray, with my  
love for his letter? - We go  
for Carter to the Pembury's  
for 3 days, & for 3 more to  
the Berners in Norfolk. I

think I told you of Aunt

Harriet's death, that I went  
to the funeral, & that we both  
made of it - the opportunity to  
see Charlie at Littlebury;  
which was a great pleasure to  
us & to him. - We shall  
see him again in Norfolk we  
hope.

Joy has been poorly again, &  
we shall send him to  
Pembury for Carter. Grace  
will go with Miss Seymour to  
Paris to see with Reppie, who  
is doing remarkably well. -

Did I tell you that  
Aunt Berners left £500 to

hold you of this. I wish he had  
omitted the "verdict" - Collier  
was painted a capital likeness  
of him for the *Livestock*,  $\frac{3}{4}$  length  
with hat & hand; but oh so  
sad, I almost broke down when  
I saw it in the Academy. His  
deceasing like & dignified but  
want the light of genius - as  
do all Colliers. I hear the painting  
thinks of going to live at Cambridge  
but I have no proof of it.

We are in a whirl of visitors &  
anticipations of it. Greeting J. Keble,  
Col Galt & Gifford of Florence who  
say that Laurel is worse than ever

May 9/62

Dear Gray

I have libertised (I recommend  
this word as my contribution  
to new Americanisms) to  
remove the cover from the  
envelope, so as to send  
you a few lines under  
the same cover of thanks  
for your kind attention to

our desiderata & for  
favors to come!

We are taking away as  
usual. Keuthan has sent  
Orbiclee to Prof. I am at  
Aluminae, which Micheli  
has done since, but I must  
renew some of his sense.  
I see he agrees with Keuthan  
on 1 - the <sup>separates</sup> ~~characters~~ of Aluminae  
from Naradae & the class of

unassigned, though he does not  
follow it for reasons given.  
It remains ditto for unassigned  
which I cannot follow him.  
though it is quite anomalous.

Keuthan is much recovered,  
shakes concerning work, but  
complains of weakness. He  
wishes to away for change of  
air, which would I am sure  
set him up.

Dear Darwin has left me  
£1000 per y. out, "as a slight  
tribute of life long affection &  
respect" - I forget whether I have

the Irish English, than the French  
Germans - they are a very conceited-  
people with many noble traits &  
more attractive ones - we may  
govern them but never rule them  
like long years of hybridization &  
the <sup>elimination</sup> ~~destruction~~ of the last amongst  
them bring about absorption.

Then never attacking Fonta was a  
remarkable <sup>instance</sup> ~~proof~~ of the Savages' respect  
for the man who sought to show a  
front unarméd. For poor Cassinich  
they had no respect. The saddest  
thing to my mind is to <sup>hear</sup> ~~hear~~ this how  
for vengeance set up because a young nobleman  
high in office is murdered, whilst in many  
cases as in Congo have been murdered  
in the pursuit of their duties, in a cold  
blooded manner. In all this

terrible horror of life - on  
Thursd. Jany (now March 2nd)  
in a large party -

Friday John

Green & others

Saturday we shall escape to the  
country - on a visit till Monday.

I have today concluded to  
begin the House-building at Sunny-  
dale, with the help of Samuels  
help & shall hope to be all  
in 2 1/2 years (with my imperfection  
in case of delay).

I was astonished the other day  
by a letter from the Jail Officer,  
asking me if a compensation of 2  
St. Andrew & St. George would

be agreeable to Dyer, as L. H. Humbly  
proposed asking the Queen for  
it. Dyer

gladly accepts;

I am happy to say; it.  
will strengthen our hands here  
very much. & when the Treaty  
that lies in view of Selaz was  
with derelict! & that New has  
been appreciated.

Then fearful murders &  
holidays will have chartered you  
as much as our-selves. What  
can have happened to Dartmouth to  
act so weakly, & to supplement  
his action by sacrificing a man

like Lord St. Cavendish who was  
doing admirable service when he  
was in the Treaty, & who had  
no qualification whatever,  
except a shield, for the  
high Sacerdotalship! - I do not  
deny poor Dartmouth's feelings - &  
am really sorry to see his glorious  
reputation sunk so low.  
When the Minutes recognize the  
fact, that the Unit are an alien  
race (no blame to them for that),  
having no sympathies with the  
English & an ardent longing to be  
free of our God as ever were your  
red-men <sup>of 1800.</sup> we can do more to make



a feat to have done Liberia  
generally at all. If there is a fault  
to be found in Huxley's method of  
dealing with the building up of groups  
it is that he has been putting a series  
in tribes into a wrong place rather  
than make a substantial self  
supporting item of it: he repeats old  
groups as plural, that is also above  
genera, for he cannot deny monospecific  
genera - as he does monospecific orders.  
He is no doubt influenced by the fact  
that a monospecific genus is more  
likely to be pluralised than a monogeneric  
order.

Young (Zoology) Kalfreid's aspect death is  
admirable shock - Huxley is quite cut up,  
& Foster is an agony of grief. N. Submarine his  
not to go climbing & he promised to be  
careful - he had my just recovered from  
Typhus caught at Naples. He with his  
unwilling to replace him in Cambridge as  
a society of B.A. usually for Moller  
Crocker has diabetes?

To Dr Gray

July 29/82

Dear Gray

Can you pick me up a copy  
of "The Life of Thomas Hooker"  
by Edward W. Hooker. - written for  
the Mass<sup>ts</sup> Sabbath School Soc.?  
Boston. Nov. 13/Conville. 1849"

I want it for a Mr. Asch. Hooker  
who has a notion that he is  
related to the "Son of Thimble."

Can any of your friends in  
the South get me photographs of  
your Southern Palms as they  
grow. - I have just had a  
good one of the Bermuda Palm  
supposed to be Thrinax.

We quite approve of the  
fish glass & would be  
willingly obliged for the  
glasses of it; if you could  
manage them for us.

Perhaps the dealers have  
an agency in London.  
A thousand thanks for Chamaea  
Hystrix it is a very curious thing  
& comes most opportunely as I  
am about to review the Palms for  
Gen. Pl. I have done the  
Naiadeae to the best of my  
ability & taken great pains with  
them, but am much puzzled

about the perianth of certain.  
I have also done Yphocaea, Cybaella  
Pandaea & Arctid. & am now  
at Truncid. - which however  
I studied long ago carefully -

I have done Apocynaceae for  
H. B. Nat. the 1<sup>st</sup> part of which is  
gone to press - I have also begun  
Arctopodidae for the same work  
Nerthan is tiding over Liliaceae.  
I do not quite like his putting  
Ophiopogon into Scitotraceae  
& think they would make as good  
an order as any in Monocots of their  
sort. - I hope H. will not make  
too much of "Embryos imbedded"  
"Embryos intruded" but I have my  
fears; - he must have his way  
now & he will have performed

books have been kept up on a small  
order. However at this state of the  
work, & of Bentham's life, no check  
can be allowed to the progress of  
the work. We have still the perennials  
left to do, & I fear them! We have  
just begun to print. Amarillidaceae, &  
Liliaceae go to the press next week.

I had just done Trinidadae which  
I reduce to Trinaria & Sciaophila,  
(pace Wiers), when Bentham sends  
me a round dozen of species or  
forms all of which must be depicted  
but smaller species than amargosa Trinaria,  
so I have to restore some of Wiers's.

I have a very curious plant (2  
species) from Guiana that must go  
into Euphorbiae, though it has the  
habit of Cyperaceae.

I do not think that Trinidadae have  
much to do with Alismaceae, but

Aug 14/82

My dear Gray

It is almost criminal of  
you to dangle under my nose  
so tempting a bait as the trip  
to the Yellowstone & Vancouver.  
with yourself & Sargent, with or  
without the Woman-kind. I wish  
I could be the participator of it,  
but with the repression of the new  
house & what is more crushing,  
the <sup>neglect of</sup> being present during its finishing  
& furnishing, it would be as  
criminal of me to be tempted  
as far as to tempt. So be it. The  
world is turned upside down in  
its face I must not think of it.

Well - here we are at Kayskote in  
our old quarters again, & the  
foundations of the house are  
digging. - It has cost up to  
£4000 already for House, Stables,  
Woods, drains & Gates. Estimates  
will cost £1000 more - & I may  
calculate on another £1000 for  
furnishing & fixtures. Luckily my  
income has been very good from  
investments & the manager of  
J. Polgreen & I hope to get off by  
borrowing £1500 or selling out as  
much - though probably that  
will culminate in £2000. Happily  
the more I see the place the

more I like it. - & I have every  
reason to believe that it will be a  
good investment. I send drawings  
of the elevation & ground plan of  
first floor of the Grays amusement.  
There will be 3 small attch. rooms -  
& a small cellar & bath. - I should  
much like to see similar plans of  
the Grays House.

Benjamin & I are working very hard  
at Gen. Plant, which grows in our  
hands. He has nearly done  
ditto & I think will be a  
very fair tripartite division of the lot.  
We have both of us given much  
thought to it. & shall be most  
anxious for your opinion of it.

Of phosphorus has put into  
Wanderer a step I am not  
stupid about, they might wish



Mr. Foster & Hurdy are quite cut up about it  
& we all feel it.

We are all well, Brian has come home  
much improved, & very full of his work - he  
goes to Freiburg for a year before I then  
am out on the world. Charlie has  
bought a patch of land & estate for  
himself at Cottishall & is happy in the  
prospect of a garden. Hannah & her  
children are well. Willy is still in  
Grass Valley. Joy has developed a passion  
for Botany & is more engaging than ever.  
Will it be last? I do not like to think  
of it. My sister Nelly fluctuates as  
ever. & Tom is bad with gout, which  
prevents his walking. Miss North is  
off to H. Coler, Madagascar & Zanzibar.  
Miss Sabine came to the house yesterday  
& asked when our trip by the Southern  
Railway was to come off! What an  
admirable account of the Colorado Canon & the  
Kaiser's History that was: last Saturday.  
I wrote Harper a long letter the other day, &  
promised to go on with the Report next year. Would  
it do if I went to Yellowstone instead? <sup>Superior off</sup>  
<sub>population? & Hooker.</sub>

we may be thankful that they go  
so comfortably close to them  
artificially & as when else -  
I have tried my best hunting  
being for an embryo - I am satisfied  
that the nucleus of the seed is all there  
not embryo - judging that is from  
its texture & <sup>its</sup> similarity to that of  
Kalanchoe, where the embryo is often  
at best imperceptible, in seeds much  
larger than those of Trichostema. <sup>living in flower above!</sup>  
I & I, with Baker, have made a  
thorough overhaul of the immediate  
masses of duplicates, unarranged  
things, & books & pencils for all  
manner of people that Oliver has  
allowed to accumulate without  
his attempts to deal with them  
for 15 years. Poor Oliver is so far  
past work that he has completely  
lost interest in the work of the  
Kalamia, & he won't but too hard to



what he does not like. He is fast  
narrowing, & with 1 supper soon shut  
up altogether. - he threatened this to me  
the other day, because I ventured to  
complain of his never telling me  
of a collection of Tropical African plants.  
that was  
leading to New York, which he had offered  
advice, <sup>from America & Burton</sup> he maintained, & maintains,  
that it was no duty of his to inform  
me of this! I could not make him  
see how <sup>(putting aside the interest of such a collection)</sup> ~~backward~~ <sup>the</sup> placed me,  
when asked about them, to have to  
say, "it is the first I have heard of them."  
He confessed that he was growing  
irritable & unfit for work: he does  
not seem half pleased, or rather he does  
seem displeased, at his previous tier  
of salary - I suspect his medicine is good

that he feels he has no further interest  
in Botany; & which - ~~too~~ <sup>too</sup> ~~has~~ <sup>has</sup> ~~some~~ <sup>some</sup> ~~value~~ <sup>value</sup> &  
repaid it, as he ought; as a reward for  
past services, he naturally expects that  
it should require at least a share  
of interest in his work & position.  
which he does not feel.

Wish to return to the accumulation, we  
are going to send a huge list to you,  
of what we think you may care  
for, with the request that you will  
turn over what you do not want -  
to Vasey.

We go to Southampton on Wednesday  
for B. A. till Saturday, when we go to  
Allenstein, 1 till Monday, Hyemuth till  
I hope stay for a week or so. There.  
At S. W. will stay with Mr. Darwin.  
Mr D. has taken a large family  
house at Cambridge, but will keep  
down for the present. - George F. Malfoun's  
(Geologist) death is a sad case indeed.

Strong & weak,

Ever affly

W. Hooker

Sept 1/82

Dear Guy

A note has just come  
from Goodale saying that he is  
in London, leaves a Saturday  
& has no time to come to  
Kew - offers to take my things  
for you -

I sent a big box a week ago,  
& the only supplement I can  
think of is some scraps of  
the scraps <sup>we have received</sup>, 2 or 3 new species of  
my new genus Dyera from  
Sincere - a province of

The Gutter Jeltung. The genus  
is near Alstonia, we have  
now 3 species.

I have no news. The Oers go to  
the Vorges on Monday. We have  
a pleasant evening meeting of the  
B.A. at Southampton: - the Biology  
was literally nowhere - I got a  
£500 grant towards sending a  
naturalist - with Thomson to  
Kilmantjore - Aitchison is  
unwilling to go. With best £1000  
I must visit the R.E.S. to  
come down for a good deal more.  
We stand at W. Darwin's pretty

place, our old friend Prof. Ashburner  
of San Francisco University, was staying  
there & Mr & Mrs - a  
Chemist from the States, both very  
pleasant people.

On Saturday we went on to  
Aldershot & to home on Tuesday.

I hope I have engaged Oliver  
to keep such a cupboard for the  
Harvard as you have for New,  
to put such things as scraps  
of Oryza into it in future...

I have just read (in bed & away)  
a very interesting account of Montana  
in the Century - which has again set  
me longing to join your next west  
journey. a indeed very thing I  
read of America over.

We have a wretched autumn again.

May 10' does not suffice. &  
 Collects 16-3 or 4 reference:  
 volumes of pages & plates.  
 This is quite Exclusive of Vol. 1.

Which we do not cite at all.

We are still at Bagshot, but I  
 go out a Saturday. - The house  
 is above ground & proportional  
 reference vice with it! I have  
 many sold all my Antiquarian  
 books but what are necessary  
 for Flora Indica - as they go?

Just like the drunken evening  
 is the song to "Here goes,  
 H. Pembroke { "None for,  
 who she took { "Lep clothes"  
 her last petition to leave

I have just got leaves & painted  
 of Heron's Palm, it is a noble ~~Tham~~  
 Sobal, ten times as big as the

S. Stellensoni. - You will thank you of the

Will you kindly send  
 me 1/2 port - a couple of those  
 little mounted pocket lenses  
 of which you had a pattern.  
 If it would save trouble I  
 will send out L. maker.  
 Thank you much for  
 procuring copy of Life of Dr.  
 Boanerges Hooker.  
 I am frightfully busy, which  
 must account for my handwriting  
 being better than usual (!)  
 find that I can read the above

Sept. 17/82

Dear Gray

Will you kindly send  
 me 1/2 port - a couple of those  
 little mounted pocket lenses  
 of which you had a pattern.  
 If it would save trouble I  
 will send out L. maker.

Thank you much for  
 procuring copy of Life of Dr.  
 Boanerges Hooker.

I am frightfully busy, which  
 must account for my handwriting  
 being better than usual (!)  
 find that I can read the above

Igor is gone to Alsace with  
Harriet -- Smith is on leave,  
Jackson ditto, Baker ditto.  
Ditto "my" Clerk - who was  
fond of great men - to Igor -  
- I am too old to get out of  
old ways. - I bite the leading  
stick the following teamster.  
So pret is harmful:

I am revising the Palmer &  
to prep next week. It is  
quite the hardest work I  
ever undertook, & makes no  
show, as the Generals are all  
other people's, all base? &

I shall have all the discredit  
of not having given them the  
happy despatch. The calm  
revision of the <sup>fish</sup> ~~work~~ / in not-  
incommenced of Martin's work, which  
was ~~upward~~ <sup>imperfect</sup> ~~imperfect~~ <sup>its</sup> ponderous.  
Considering the material he had,  
& the time he was over it, he  
might have discriminated the  
Generals much better - & the  
work itself is a "model muddle"  
that has done more to obstruct  
the progress of Phrenology than  
it has advanced it - perhaps.  
- I find that the mere reference  
to check the citations of each  
General of that work alone  
takes an average of 4' exclusive  
of setting up & down the  
ponderous volumes: & for



Apprentice as my shell. Houghston can  
be as amusing as a carpenter can. not:-  
Dawson does deserve great credit; it's  
a pity he is so pig-headed. Did you see  
his son? is he not promising?

Thanks for all your trouble about  
the Fish Game. We shall give it our  
best attention.

Oliver has returned from his holiday  
much the better in every way.

We are working the small ~~data~~ <sup>small</sup> plants  
into their places, but my difficulty  
is to ~~secure~~ <sup>secure</sup> some one of the men  
properly trained to the arrangement of  
the lower genera is peculiar. There are  
much mischief by the following the purely  
geographical arrangement for some, &  
all or others for others. - It is thus helpful  
to find a Quercus or Potentilla without  
first knowing all about it, what is just  
what we want to avoid. Except Brown  
none of the Apts have a very accurate eye,  
& he is too useful in other ways.

Dear Feb 23/92

Dear Gray Here we are, Mary &  
Joy & myself for our first visit to  
this home after dear Dennis's death.  
It cannot but be a sad one & is  
aggravated by atrocious weather, gloom,  
rain & furious gales. Nevertheless it is  
a great satisfaction to come & find  
Mrs. Dameri so pleased & contented.  
Except Miss D. Martin is now the here  
but Frank & his boy are reported  
this evening. We leave tomorrow  
for New, having arrived yesterday  
(Monday) from the Spoth's woods where  
the P.R. is laid up with a broken arm  
from the overturning of his tricycle!

Mrs. Dameri with Keble at this house,  
& their old servant Parslow & his  
wife will be care-takers. In a few days

Ships to Cambridge, to a furnished  
house etc. The one they  
have bought & which want-  
a good deal doing to it is ready.

The latter is about 2 miles from the  
Alutera on the Hounslow road,  
stands on some 10 acres of ground,  
& will have small garden & many  
bedrooms. Frank will be its head  
of course, & they will return here is  
also probability for summer quarters.

I have had a long talk with  
Mrs D. this morning about Darwin's  
last illness. It is not heart disease  
what he died of, though it is evident  
he had a weak heart, & probably a  
diseased stomach, which acted on  
the heart.

You must think me very  
ungrateful for never before  
mentioning you must have thought  
reporting the tale. The fact is that my

wife took yours of Sept 17<sup>th</sup> & never  
supposing I had read it, & until I  
got <sup>the copy</sup> of Oct 6<sup>th</sup> asking for  
dimensions, I was unaware of the  
kindness. I am able for putting the  
title in my study & as soon as I can  
set the heart dimensions for the  
Architect I will communicate them.

I quite agree that the B.A.  
should not go to Canada, though what is  
to be done with the 1st & 2nd terms.  
Oxford has in the most ungracious &  
undignified manner on good as  
declines to satisfy its proffered (&  
accepted) invitation for 1883. on the  
sole ground of Carly being unknown &  
not a scholar! - This threw the Affair  
upon Southampton, a new & unknown place  
which stood much on the list, but  
on the Lancashire Coast, to which I fear  
the habitues of the Association will not  
strongly, though I dare say it will be  
a most interesting & successful  
meeting. Your movements, the Merchant

go over it with Pt. B. 1. I am sure we  
could send you lots, & after E. March  
is done I hope to have more time on  
my hands for that, & Hazden's needs to  
be forgotten Robert!

I have not yet thanked you for  
your Memorial of Darwin, not answered yet!  
This must come into my work, which  
will not I hope be too long delayed  
Now I must answer you long  
with Hazden's love  
Am. Weller

J. Hooker.

Your notice of Darwin is excellent.  
He was very ill for some 2-3 months before he  
died - having had attacks of heart like Smith-  
son's (last he <sup>first</sup> arrived here & said "nothing wrong with  
heart" - but some weeks afterwards said "Angina  
pectoris" - he had been provided the location  
& was carried up & down stairs for several weeks  
(3 months perhaps), & was greatly alarmed about  
himself - his grandfather having died of heart  
disease - Nevertheless I think he had disease  
of stomach that acted on the heart, which may  
have been weak.

We have begun at last to print Palmer  
for Gen. Planch - & just after the ms  
went to press. It 20 parts of  
Dried & Martens comes out; happily  
involving no serious change, if any.  
Dried has not the grit of them that  
Woodland has. Mertham is finishing  
up Emocaularose & has only then to  
do <sup>the</sup> Pteridaceae & the ms of Cyperaceae & Gramineae  
which will not stop the printing - He  
is remarkably well though complaining  
of weakness: he declines to come to us,  
even for a week.

Mrs. Harvey is in town with some nephews  
& Nieces, ~~she is all but~~ she is all but  
quite blind, & sent for us, we called  
immediately & found her very cheerful,  
she was living next door to our  
Hotel at Florence! & only found it out just  
after we were gone. She can just see  
light out of one corner of one eye, &  
has dim hopes of better things if that  
eye alone: Cataract inflammation & other  
<sup>concomitant</sup> ~~concomitant~~ combined to produce it. She  
thinks helpless of her old, late events

having called forth so many <sup>unfavourable</sup>  
characteristics of <sup>the</sup> <sup>nature</sup> <sup>of</sup> <sup>the</sup> <sup>people</sup>  
all classes, & such a want  
of cohesion for any good purpose.  
Still they have all paid their rents to  
her people.

We have secured nothing at all &  
Washington, to make a <sup>anti goods collection</sup> to man  
your diplomacy. That would have  
been dangerous till we heard from  
you. In fact the game is all in  
your hands, for we have made  
no communication to Washington on  
the subject of the collection. It would  
be a grand thing for Vasey to work  
at the division under you as  
Secretary. By the way I am naming  
one of the Louisa Palms Sereus.  
- the Chama Myrtis. I sometimes puzzled  
with the Peruviana Palm, of which  
I have just got Leaven &. It is a very  
very Taxus with difference from

Adiantum, but not so large as the  
Cereus M. indica ones. Can it be  
native? There are <sup>one or more</sup> groups of them in  
Peruviana, of which I have a photograph.

We are hoping to have Kilmarey also  
replenished. The B. A. has given £500  
& we hope to get other £500 for the  
East. Grant & R. S. & Dr. Aitchison

volunteers to go. - He would accompany  
Thomson who the Gov. is sending  
out into Africa that way, <sup>of the world</sup> to look  
at the mountains. Much like a risky  
thing on account of climate & natives.

I am laboring at Asclepias for  
"H. Brit. Ind." & have to make a  
new genus already out of Toxocarpos.  
I am puzzled to distinguish between the  
Niles. Mandevilla, Carpodaceae & Piperaceae.

I heartily wish I knew what Indian  
plants you wanted, the Maroon is  
setting circumstances with duplicates. If  
you had but a young hand who would



he had accpt. to. He did not improve upon the "Contributions" in his latter works.

Did I tell you that Lawson, <sup>of before</sup> is going out to the fine new plantations of Mashua, & I do not know where we are to look for another Professor for Oxford.

Have you seen an article in Macmillan's Magazine on the "Pedigree of Wheat": it is interesting how it attracts the attention & gains the approval of the multitudes: to our it seems shallow trash, with no hint of deep truth.

The world is also excited about the attempt to murder poor Lawson: Dublin, & Tennyson's new drama being laughed off the stage at the "Fleek" theatre with "the grand old man" there to see its first performance. To my mind the said drama is morbid maudlin & unfit for a story for any good purpose. Did you hear Tennyson's Ode to Virgil? I can only hope he was in his cups; if not he must be a 2<sup>d</sup> Childhood.

The tide will be in plenty of time next spring. We cannot tell the sun & tide the kind of grate is settled. I don't forget your kind regards. In haste W. W. W.

Love to Mr. Gray. The house you are about had into a capital piece of work. I have a chunk of wood of my own overhanging every side & bit of timber I can get. I also take down the New Park of the Works by 2 weeks in 10.

Nov 13/12

My dear Gray,  
The Ambrose from the noble Baron came addressed to me! - Three days ago.

I have yours of Feb. 28<sup>th</sup> & have asked Oliver about the remembrance of Jacob's things. He tells me that a further instalment will be ready very soon. For that Baker is at work on them with his wanted order (& expedition!)

I am delighted to hear that it has been so useful to you & that it will help to fit you a good Hebrew for the Nation.

We are greatly amused with



The American "Spencerians" - & we  
have had a good laugh at the Club  
over the "the" full of sweetest & light -  
which we are want to compare with  
"boiled gooseberries".

There is a long article in "to days" Daily  
Telegraph, criticizing Spencer's lecturing  
you who you want of relaxation  
& pleasure, & showing, or trying to  
show, that Americans spend far  
more time on relaxation & amusement  
than do Englishmen. which is  
quite very possible.

We went for two days to Mrs  
Dawson at Down, & found her very  
cheerful & friendly, but not over well.  
She was delighted to see us & so  
affectionate - but to me it was a  
very melancholy visit. For I could  
hear Dawson's voice above the house

I fancy his calling me under my  
windows to take his round of the land  
walk with him. Frank & Liff were  
there & a half-jog & "Hubbards" (Bernard)  
made great friends. Mrs D. has now gone  
to Cambridge to finish her home tale.  
There more is ready - the little Kitch  
Dinner for the present. Mrs D. has given  
me the assurance that being in his study,  
& it now hangs over my chimney piece.  
beside the Remembrance that went over the  
Kilnman's with me.

I am the mistress of printing Patience.  
Herbert is suffering <sup>(now badly)</sup> from acute neuralgia  
of the head & neck & complains of double  
sight, but he is at that to day - the dream is  
over.

Miss Kilnman's reputation is  
becoming me, as I have the responsibility  
of it - I have £500 for the B. A. &  
repent as much for the R. I. <sup>both</sup> or found in  
between them, & that ought to do. I have  
written to ask Schermerhorn if he will  
undertake the job.

I have just read your interesting  
little note on the progress of the American  
"Flora". I am sure taking all the steps  
for the Indian Flora. I am surprised to  
find how well Wright did all he

Kuch, & that I cannot go on having  
work heaped on me. - I am  
going to represent the whole condition  
of Kew to Govt. & the hopes of a  
small Treasury Committee being  
appointed to examine into the  
whole matter. They are spending  
money like water on the Bot. Dept.  
of the B. M. - They are at present with  
view to fill the space that was  
given to the Bot. Dept. to contain  
the Kew collections! - Kew is  
lined with magnificent glass cases  
costing many thousands of pounds! &  
into which they have nothing  
to put! - Joy has been done  
with less fever & very poorly for  
a fortnight, but is now picking  
up. - We hope to go for 10 days to  
Durham next week. - With  
love to Murphy in aff<sup>n</sup>  
W. Hooker

Nov. 2<sup>nd</sup> 1881.

Dear Gray

I am glad to think you  
are both back safe & well: yours  
of 13<sup>th</sup> arrived last night & Fritz  
has his portion.

I sent Sargent's books last  
January through Tim Minnie, a  
heap of Linnaeus works & some  
on a tree of Torrey as a present,  
& a copy of Bot. Beechey for  
which he was to pay £4.8.0  
(the price I bought it at). I have  
not received the money <sup>(bill of exchange he said he would send)</sup> to pay  
as I can make out. I had as I  
am in money affairs, I think I  
could not 1) have forgotten it; 2)

have omitted to note it in my letter book,  
 3) have omitted to draw it. 4) to  
 find it in my Bank book -- I will  
 no letter of his states that it is  
 sent; say that he will send it  
when he has time to get a bill  
of Exchange. I have written to  
 him.

Foster - I have had by me  
 for months the data for dealing  
 with him; - the disposal of the

Island, - 5 sets

New	-	L.	12.	2.	0
Brit. Mus.			9.	12.	6.
Edinburgh			7.	5.	9.
Uppsala			6.	7.	3.
Paris			5.	9.	6.
					<hr/>
					40. 15. 0.

you said you did not  
 want a set of  
 the Fosterian  
 things -

which I owe him, minus  
 freight & trifles. - I want no  
 more such unproductive bottles.  
 N.B. he does not say to whom I am  
 to pay the proceeds. I must write  
 & ask him. There is no need to  
 send small worries.

Eggs is 1 year rather a goose - he  
 writes long letters about nothing,  
 or only just to touch on the tale  
 as to require an answer. he is  
 bothering me about Turner.

I have just sent off your Clematis  
 yarn.

Poor good of Wimbledown is dead,  
 & has left his Herb. & choice of his  
 hardy perennials plants to me.  
 - A memorial advocating the establish-  
 ment of a Herb Garden at Kew is before  
 the Board - I ~~shall~~ have printed  
 out that it is proper thing but  
 with cert. money to make & do

Dec 7/84.

Dear Gray

Reverend the Alderman  
treasury.

We are in trouble again about  
Smith, whose daughter died last  
night, after about 5 months of  
much suffering - under a very obscure  
disease - tubercle in the kidneys.  
She was a fine tall girl, & a  
great comfort to her parents,  
who have now only the one son,  
& considering the antecedents of  
Smith's family, & his <sup>son's</sup> looks, I  
should not count much on  
his victualing. Meanwhile

John Smith having been badly  
injured by a severe attack brought  
on by anxiety & careless diet:

This has however passed off:-

I was ~~up~~ <sup>at</sup> home at 4 am  
last Friday & found him  
rolling on the floor of his  
sitting room all alone, while  
his wife was nursing the  
dying girl up-stairs. His  
groans were frightful.

My hands are full, & you  
may suppose, so no more  
at present

Yours affly  
Mother



be most thankful if you would suggest  
any improvement. The 2<sup>d</sup> ED. was very  
hastily printed.

Herbert's complexion much of shooting  
of breath, he could hardly walk from  
Wetherham to Charing x. I fear that heart  
action is failing, & he is evidently anxious  
about himself.

We are in dire straits about Smith,  
he is so weak & ill - & we have no  
one in the establishment to take his  
place over the whole staff! - it is  
awfully anxious work. He is gone to  
Cornwall.

Ever affly yr

R. Hooker

A huge box of seeds &c went to  
in the afternoon

July 4/83.

Dear George

I wrote yesterday & now bother  
you again.

I think I sent you the fine set  
of Herb. Sharkey & Winterbottom. What  
worth to the Linn. Soc. If so you  
have in it a regular puffball, of which  
I want you to lend me the specimens.

It is a very insignificant & thing  
from Kermadec, which I saw very closely  
allied species has been lately published  
by Maximowicz as Civicastrum  
see Russ. Mel. Biol. 1881. <sup>345</sup> ex Parguety  
pro pro

R. Brown could make nothing of S. &  
W. plants. I made a very careful  
drawing with analyses of it - for  
the Linn. Soc., which was  
unaccountably lost.

Two years ago Maximowicz sent me  
his ~~the~~ specimens, asking if I could describe  
the affinities, & I immediately recognized  
its likeness to my long lost *Nerium*  
*plant.*

According to my recollection, ~~the~~ <sup>the</sup> flowers  
that I be ~~ascribed~~ were much more  
regular & complete than *Maximowicz*;  
or rather than *Maximowicz* makes it out to be for the reason  
as we have to consider the *Clusia*  
the supplement of *Car. plant.* it is  
important to note this.

No one else has found the plant  
in the Himalayas, though its locality is  
a very conspicuous rock, forming a  
well known halting place along  
one of the much frequented routes  
to the peaks. I have asked Dattin  
of Subarnapore over & over again to  
visit the spot - when he could visit.

The flower very different from what I had seen of 1. dist.

fail to find the plant (from Strachey).  
Maximowicz has since found it -  
except the set of 1. & W. plant.  
that went to St. Petersburg.

~~It is now~~ ~~could make nothing of~~  
it. I was inclined to suspect that  
it was an abnormal state of some  
*Ranunculaceae* thing - but ~~not~~ I  
think it is like nothing at all.

Oliver, who he received *Maximowicz*  
specimens, received both *Nerium*  
& *Chloranthus*, or opinion that  
Mr. has accepted (as his own!) - but  
what, if my recollection of Strachey  
specimens, <sup>Maximowicz described</sup> are good I cannot share.

Bentham agrees to *Serenoa* if its  
like *pleurosereno*!!! & I am to grind  
again at your disjecting *Porphyria*.

Have you any more abuse to launch  
at the *Strachey* *British Plant*; if so  
please furnish it, as I have to prepare  
a new edition. *John* *apack* *Ichab*

with the cause. That does not interest him  
 & that he would not touch on unless it  
 improve; nothing is beneath his attention -  
 & his taste & decoration is as good as his  
 scientific acquirements. Practically his Director  
 will let the Librarian & I simply present his  
 wishes, & answer a heap of the letters which  
 through the Director proper should. If he were  
 to I should be at my wit's end & conclude  
 much of the official work with India & the  
 colonies. His sister Anne was once  
 Director, & a young capable apt. Director is  
 training under him - it will take some  
 or several years to get into the work.

He however does not want the Directorship  
 nor are you. I guess not; he is impulsive  
 & practically accepting of ~~not~~  
 being supported at the same time selling  
 his own way, in every thing, & I am bound

I say it is almost always the right way!  
 Enough my life is no sinecure, but I  
 must hold it for a year or two if  
 life & health are wanted me & my  
 business will not be seriously hurt.

Now Samuel does not improve & is depressed  
 as has been at the camp. He must get a  
 nurse for him. My sister Maria has left  
 Edinburgh & will be with the married daughter  
 the morning was at Scotland when she came  
 today. In dear love  
 W. H. Miller

You are kind  
 but this, if you have  
 any compass & the spirit to  
 that please me & I shall  
 write to you a  
 letter.

Aug 16/88.

Dear Gray,

I don't understand your  
 difficulty about the specific name of  
Sereno, is there any objection to  
Sereno; which I suppose, "you  
 without saying" as you would say -  
 I think you greatly exaggerate the  
 amount of new naming in the Gen. Mon.  
 I really have remarked very few.  
 your "Woodland" list in the Herbarium  
 de Dactyloperis "Les Patruelles"? you  
 will find almost all there. My guess  
 are pretty well "Woodland", with this  
 difference that whereas he only  
 names, I had to study & describe.

I suppose that you are joining me  
 in my criticisms against your  
 American system of publishing - how  
 & why there is the Railway Reports & the  
 like, my book is not read, but it  
 is specified! & as to the names, details of

the Gen. Plant. / I have turned the matter  
over to Hall Day & Oliver, & work  
my hands of it. I shall spend  
a lifetime trying to open to & make  
no difficulty. I should like to see  
some reference paid to Hawthorne's work  
attainments & some consideration to his  
work in the matter: but the writers &  
I should like to have their way, & the  
Landolphe Talbot is their written law.  
There are limits to human power of work,  
& I fear Mr. D. has reached them. You  
say we were bound to name our species;  
the answer is, one could not do that  
without first doing the service, & we could  
not do both. You may wish me to go  
on with it; & I shall would hold I think  
but here I am with a large family, &  
at my house to work for it, as well as to  
carry on my official duties - You say let  
Oliver do there. Well, he does a great deal,  
but he cannot & indeed gives me as  
much, for he increases the work immensely.  
& is behind-hand in his own, from his  
terrible habit of procrastination; & his  
growth at <sup>his</sup> <sup>as he calls it</sup> <sup>over-work</sup> is continuous & painful.  
I keep out of all power with him & Oliver,

but <sup>such</sup> ~~such~~ a painful stress is to curtail  
even our recreation; & what is curious,  
for my spiritual qualities. Oliver would go  
an inch out of his way for the sake of being on  
the right side, & he is always going too far  
ahead. Not my house I still all day,  
large correspondence to carry on with men  
like yourself is a sort of position up & down,  
but I have the intention to manage,  
now a great change, & concerning a great  
deal of time. When I say I go soon to  
see ahead, I am not quite fair, for  
I have done Marshall & Dr. H. Gardner,  
Laboratory, Hudson room Dr. laboratory,  
& Dr. Gardner of the State Laboratory,  
as well as for the development of its  
resources, functions, & spheres of activity. He  
works his full share of official time,  
but that is not giving his life up to it  
for & he is late at night, as my father  
died & I do. He has not health or strength  
for it. On the other hand, he has marvellous  
facility for work, a wonderfully clear head,  
first rate memory, & both words & methods  
on the brain; against these you must set  
the health, infirmities of temper, & a sad want  
of consideration for others; & what is worse  
all is official dealings, he "cannot suffer  
from it". There is no one subject connected



May 27/63.

Dear Gray I enclose Oliver's answer  
to your query.

You have I suppose an account  
with us - if so will you kindly pass  
the enclosed £2. for the Noturnal  
Gazette.

We are at home again; after a  
fortnight at Ribston from whence  
I went up & down to West.

Smith has returned much better  
but to meet another disaster; - his  
only brother a carpenter in Liverpool  
has had a log of wood fall on his  
head & his reported dying in  
the hospital; - he has a wife & 5  
children. I up to night I have  
from the Board a refusal to my  
strong appeal I made for an



increase to his salary. I must own  
I expected the refusal as his salary  
£300 & house Coals & Garden &c. is  
high on & I advised him against  
the appeal. But however I supported  
as strongly as I could on the strength  
of Board's resolution to open the Gardens  
at noon in future - a loss to Corbier.  
Ben Chapman who voted for the  
morning opening in the House 5 years ago,  
now says that morning would increase  
him to open earlier than noon! - I  
advocate a noon opening at that time,  
but the Board would not listen to it.

Herbert complains much of weakness  
& shortness of breath, & has been overhauled  
by a doctor, who tells him he has no  
disease but feeble heart, of which  
he will get better. Meanwhile he is  
threatening himself about dying before

Gen. Pitt-Rivers had. We have  
made two more vain attempts to get  
him to pay us a visit however short.

I have been very busy with correspondence  
& sundries of late & must now take a  
peek at the Indian Club.

With love to Mrs. G.

Yr affly  
J. Hooker

J. Hooker

should like the brown tiles for  
my study fire place: & can make  
the joints to fit the tiles.

My roof is on, & the house looks  
wonderful with its position -

By the way this talk of Mil. Mr.  
going to Canada in 1884 is a heavy  
nuisance. - how can it get in to our  
trip to Vancouver & San Barbara?

July 3/83

Dear Mary

May happy returns of the  
day to you & dear Ann Gray from  
us both. The love which looks for  
Joy has arrived quite safe; he will  
let it on Saturday when we shall  
much at Philsden while the Pettys  
have been us for a few weeks.  
We spent the summer week with the  
Hodgkins in Gloucester. He is wonder-  
fully well & strong though 85 & talks of  
going again to Italy in February.

We both started & coming home, my  
wife with Grace & Reggie going on to  
Torrey where my sister is well as  
with Cousin.

On my return I find Smith no  
better & we have started him off to

Journal for change of air.

Heathman is going with best complements  
of shortness of breath, & desires also  
every invitation - a great pity I think.

I have just received letters from  
Kathleen & Co.

How strange that I did not send  
you the 2d part of the New Zealand  
Handbook, my last effort at cryptology.  
I have ordered it to be sent to you -  
a present of course.

As to Serena - it was only after long  
consideration that Heathman decided  
on it as unimportantly the fifth  
thing. Serena is a case in point.  
The poor being not to hesitate about  
a small sacrifice for Lecky -  
nor do I see why it is hard for being  
feminine, like Grace, Hooker.

Candalaria L.H.L. I wish she were  
Heathman says (he is not here to day)  
I would suggest that S.W. call on  
himself "Serena" - as the simplest  
way out of it.

I have no more news & heaps  
of letters to write

Love all  
L.H.L.

M. Hooker.

I have had a heavy burden of work  
with the Antislavery of Rev. J. Hooker  
& severe pain now comes to make

me with undiminished satisfaction  
do you know any thing  
like it? The present an  
clearly seen heart their  
anything <sup>it is not uncommon: Apocryphal.</sup> I do no character of

The Wilder Stupelians - they would  
into Prophets.

Please let them pray that I



The fire-place shelves when settled,  
but until the grates are determined on,  
the heat will cannot be fixed.

There is no hurry. It will proceed  
slowly but well, & the weather is  
turning well.

Hunt is not strong: the Rodgers  
will take her to Cannes with them  
in a few days, & Dyer will follow.

Clark goes back to India early  
next month. He has finished the  
Cushings & M. B. L. heavy new  
Scriptures. & Labr.

As pitch into Mueller for checking  
the measurements of H. Amstel: it was  
immense - it is too bad & a great  
step to Bentham. I wish Prof  
A. L. would take up the matter of  
a uniform system: a bad one is better  
than none. Ever affly,  
W. M. M.

Fry 19/83

Dear Gray

Menges' specimen of  
Chrysanthemum narrow are  
identical with Blennierhennae  
Californicum.

We have no authentic specimen  
of Tamacetum penciliform. We  
sent Clark to Brit. Mus. to  
hunt. He found Nicholson's  
things not yet laid in! &  
no Tamacetum was amongst  
them.

We have now selected all  
we want of Schimper's Dickens  
& a splendid lot is left. I  
thought I wrote asking you whether  
Farlow would have them. I

do not remember if I put a  
price - Baker values them  
at £30 - say £25. If you  
do not want them I dare say  
that Ruppel would be glad  
of them - There are fine sets  
of Spencer's & many others amongst  
them, & they will take a large  
box. We disbursed the money  
in employing Chambers as an  
editor.

There are men - Henry Smith  
is a great help. I made him  
Chairman of the Metropolitan  
Institute, & we shall not  
be able to replace him.

[Am. G.]  
You told us of Miss Chamber's engagement  
but died and told us to - when - it  
is to a son of Sir J. Russell - we  
only knew then & yesterday - news  
travels slowly to New - via America!  
Bentham holds on, but complaining  
much of pleurisy.

I have finished *Asclepias*  
for H. B. I. !!! - an awful job  
There are many new genera still to  
be made - I had to create 4 or  
5 for B. I. ! & then an other <sup>40 sp.</sup>!  
just over for *protonot.* <sup>40 sp.</sup>!  
*Cereopogon* <sup>36</sup> have come in in  
end of trouble, & between them they  
have very wetted the bottom out  
of your copper substance (hypothetically  
speaking).  
Love to Mrs. Long the director of



We are doing about Antennaria &  
have written to Balmigley of the  
Cambridge men

27/29/83

Dear Jey

In private please thank J.  
Watson most cordially for Dryopteris -  
Thanks for having H. J. for Nat.  
Gazette: - also

- I owe you for Fish Green - would  
you like to set ~~these~~ <sup>these</sup> ~~again~~ <sup>again</sup> the  
herbarium attending the gathering &  
transcribe without delay deposited by us  
of the poor collections? As far as  
Smith & I can make out there  
would about meet - one another, I  
mean over actual outlay.

- You say you cannot remember  
where Circaster is described - Surely  
I gave you the reference in my letter to  
Maximovich's description of the <sup>Thapsus?</sup> Bulbina.  
Benthams like innis or Chloranthaceae

Synopses carpenter, - we have these in the  
book at Kees, & to the best of my stupidity  
I took the character therefrom. I dare say  
that I mislabeled it with Bontine, or  
something else - Michaux says it is a  
water plant: - wrong of course - but enough  
to justify our treating it as such.

Clarke goes back to India next week,  
leaving a good lot of H. M. M. M.  
Monsieur in my hands, I have however  
to do Scrophs & Laticats.

I am printing Isidore, & a revision  
of many with Meddome & Clarke agrees  
me that I have done them pretty  
well, but it has been a very heavy  
job. These & Clarke's work with Jill  
H. X of H. M. I. are all gone to press.

I am exercised about British Flora I  
would arrange it now by "Girardin Montane"  
throughout - & this requires considerable  
attention.

Mr. Miller is coming for a new edition  
of the Primer with more wood-cuts -

Matters are coming to a crisis about  
Smith, he does not get better - much, &  
he has to own that things are not as  
they should be in the Gardens, Greenhouses,  
& houses. Deer & I are pushing for  
reforms & great reform in the  
administration, especially as regards  
Governer & Gardeners, who are now  
out of discipline altogether & much  
unsatisfactory, besides being over-paid  
for the work they don't do.

Altogether we are very hands prepared  
just now - we are to have a consultation  
at the Board about it tomorrow.

I am remembering H. Hodgson to  
Larmer on Saturday - this is thin &  
poorly, & Deer will follow in about  
a month.

Thanks many of the notes for British  
Flora.

W. H. H. H.

March 16/83.

Dear Gray,

The missing Goshawk bundles  
are all right & will be forwarded  
with the remainder.

All the packages for Stearns that  
came in your last have been  
forwarded as requested, except Bole,  
& for the Lake, which will go in  
due course.

You say that Lemmon's parcel  
contains 80 species, charge \$5.-  
but it contains only 60 species  
Pringle's contains 80.

With regard to paying for  
Lemmon, I should think he  
would not be hurt. Not, being  
that we sent him a truly great  
collection in 1881. including the first.

lots of duplicitous British & European,  
of a general character  
2 bundles of  
Journals & 4 P. C. H. P.

You will have enough of  
Growth Allen's Speculations Notary  
before you have done with him!

What is the sense or meaning  
of Goodale's review of Vesque?

I have not read Vesque, but  
Goodale is absolutely intelligible,  
from beginning to end. Do just  
look at it. I tell me if I am very  
stupid.

Smith my head aches & I  
am seriously unbalanced. - I ought  
to be imprisoned - the poor fellows  
near within & without, but his  
father <sup>only</sup> dear & only brother, he  
would be cruel to him his out  
of home & home & reduce his

income by a half too late at once.  
We are showing what is best to be  
done, ourselves to be no nation  
of retrograde, which will have  
to be faced or die eventually.

Edw. J. P.

W. H. P.

of the Carden, for which I smother  
itself gives the opportunity, &  
shall have a very genuine  
to sit on us. As I suppose no  
further benediction I expect it  
will go off well

My wife & I called on Brewster two  
days ago - he seldom comes out.  
was - & complains of increasing  
breathlessness & of being very lonely.  
It is distressing; but there is nothing  
to be done - He is the most ineffectual  
man I ever met with socially.

Ever affly yr

W. H. Hooker

Mr & Mrs Gould spent last Sunday  
here, we liked them very much: he  
seems to take solidly.

March 24/83.

Dear Gray

Two cases left this morning  
concluding the present collection. They  
further contain

1. Bundle New String
2. New Zealand (catalogued)
- 1 Parcel for Fallow from  
Plover's nest.

I have just found a dredge  
shelled in Gen. Plover's Papers  
No. 918. 73 (argyle; line 7 - for petiole  
"toto viridi cete", near "valvate" -  
which is the character of the  
whole subtrile. I am in fact I  
established it - upon ..



I have just finished cataloging the  
bird skins here for the 1852 Report.  
- we have upwards of 400 species. The  
naming of them has been hard &  
very unsatisfactory work.

I am writing by this post to  
Asa's asking him what prospects  
there may be in America for  
my son <sup>William</sup> starting in the mining  
or metallurgical career: whether  
with such disadvantages as I  
could give him, notably 6-  
12. hours; he could be put:

The way of a modest livelihood  
to begin with. Having three  
more children after Asa &

Edwina & Paul yet I am much  
anxious to get him off my hands.  
He is perfectly stupid, hard working  
& of fair abilities. <sup>In his</sup> I suppose well,  
though not brilliant, at school  
& college. - If I knew Lamour's  
address I would write to him.  
Can you think to me? or would  
you mind asking him of the  
various of my family.

I have not been quite right  
lately, troubled with weakness in  
the head, & sleepless coming on  
regularly in the evening, so that  
I have hardly been what is said  
to me even so distinctly. I suppose  
it will go as it came.

We are going to make considerable  
changes in the interior arrangements

your definition of Aerogens (Man. Bot.  
Ed. V. 32.) which attributes to all  
Aerogens woody tissue & vessels.?

I have been reading Carlyle's life  
by Innes, when the whole the more  
depressing taking the kind that I ever  
understood - what is your impression?

The House proceeds very slowly  
but the sort of work & the material  
are altogether first rate. Query - is it  
worth it? Perhaps as an investment  
entering not as a outlay for my  
life or my wife's.

With love L. M. Gray

See dear old boy

Yr aff

J. M. W. W. W.

I read you & Renan's contributions, but  
I must say without the subject I would wish,  
there is much beating of the air in the last  
metaphysical - logical descriptions.

April 6/85.

Dear Gray

Does Vasey of Dept. of Agriculture  
get a share of good plants? Have  
asked this, because Vasey has sent  
us a lot of good things, & we have  
25th specimens of good to distribute,  
which he might have.

The sending you the good plants:  
was certain. Cartage - £1. 7. 0

Shipping away 1. 16. 11.

Boxes. — 6. 25. 6

£ 9. 18. 11.

Against you £ 4. 10. 0

5, 8, 11

Shall I send you the bills?

Harriet is gone to dinner with  
H. Hodgson, & Dr. Johnson on  
Tuesday - Smith goes as soon  
as I can spare him, on 6 months  
leave - & am in despair - I am  
heavily sick of the administrative  
duties of the place. Dr. takes  
the official correspondence administ.,  
& in great help in all ways  
- Museum entirely, Laboratory Inter-  
Pol. House, & Herk. Zool. - in  
I should not complain.

Mary is going with Joy to Western  
Europe where her parents are

for a few days only - Joy has been  
suffering for bills with the sudden  
heat, for this, like every season  
I ever know, has been the most  
extraordinary ever known!.

Herbert is very poor, & proceeds  
nervously failing fast: but I hardly  
see it, though I do see gradual  
change. He told me he had  
had a very happy life, broken by  
very few sorrows, his wife's health  
preventing his keeping company, &  
the Lincoln affair, which he  
regarded as having displaced  
him mentally! - Of course I tried  
to dissuade this illusion, but  
without much success.

Is there not a slight error in

his affairs. His <sup>great</sup> niece with inheritance of course,  
but he did not give me details of his  
will.

I enclose sketches of the chimney pieces for  
Mrs Gray's kind attention.  
With much love to her

in affec<sup>n</sup>

B. Moller

Spartanwood is my home. In winter, I have  
moved to Riverside. Mary has been  
a week & has with something of the  
fever. Francis will be here to day.  
Moses of Jamaica with which Slater is  
may be sent to England; your wife  
I think like him & his wife too.

Amos

Regina April 184  
frank

April 28/43

Dear Gray I enclose Allen's well headed  
answers to your queries about the  
Antennaries - I guess you have had as  
much a job with them as I had with  
the Indians. I should be sorry to have  
to collect them of the 2 countries!

I am grubbing & tending - I've left  
for Port au Princes & Smith for his  
6 months leave. I had a complete  
overhauling of his stuff before he left -  
& have prepared some good alterations  
which I am trying to work through  
the Board & Treasury. Poor Smith has  
let matters slide terribly for some  
time past.

Heathorn is my jewel, & hardly comes  
to that & at all, weak, short of breath  
& my love about himself. We do wish

he would come & pay as a visit... We are  
about to drive in & see him for the first  
for some years. We found him completely  
absorbed in one side. I shall tell you how  
he is before I close this.

His Irish American party to Canada is  
a horrid nuisance & will, I think break  
up the Institution. At the Southampton  
meeting the Irish workers mounted strong  
& threw out the papers into the water  
in 1883. After they left a <sup>few</sup> ~~man~~ <sup>men</sup> stayed  
behind & prospered & carried 1884!

This is not the worst of the Council  
have asked H. P. of Wales to be President!  
Which I & others regard as a grievous  
error - come: it is said in Irish circles  
if the Managers of Lane retains the  
good sympathies...

27. I have delayed sending this  
reply to London with it the idea of  
the great clearing for the tales which  
the fog is kind of river. The papers

that both the Charing pieces & the  
Gates had to be chosen before  
the share for tales can be allotted &  
we have been much & worry about  
both between the styles & patterns  
springs that they are very much  
divided upon. My architect goes  
much minutely into every detail of the  
house, from ground to attic & nothing  
seems too small for consideration -  
I never saw such work put into a  
building, it ought to outlast the Pyramids.

Northam holds my proof. & I go &  
see him in London whenever I can. I  
went last night before R. S. L. &  
asked he just two weeks to come -  
he showed me a letter he had just  
written to Mueller, a calm vigorous  
protest against his "Consequences" - which  
shows an Australian sympathy into little  
comprehension. He has given me the letter to  
show to Oliver & Henry before printing it.  
I will take a copy, & with his permission  
send it to you. He had me in to  
take his last directions the other day and



New May 30/83.

Prof Asa Gray

To Sir J. D. Hooker for expenses of  
packing cases, cartage, carrier & of Herbarium  
specimens for the Royal Herbarium, the sum of  
Seven Pounds fifteen shillings & 11d.

£7. 18. 11.

Reverse the above

J. D. Hooker



for some months, which keeps me  
very hard at work. - ~~How~~ My & my  
daughters have returned after a  
mercifully brief stormy month: N. Staly-  
she much the better - he not so much  
so. His absence of Smith is enabling  
us to initiate many important reforms  
in the staff. which cost us an awful  
amount of correspondence with the Board  
& the Treasury. & no little movement  
amongst the employees - it is an awful  
bother. & what to do with Smith when  
he returns will be a difficulty, for I am  
sure that he will never be able to take  
work again.

Mr. Kerel Grayson has been changing  
our wills - Edw. needed. certainly two  
speakers, one at a huge dinner, which was  
hardly absorbed. Badly enough, it was  
informed at the Town dinner that the  
Council of the Society of Arts had awarded  
us the Silver Cup medal & what I  
must do at this is the way of news

June 1/83.

Dear Gray I have several letters of  
yours to answer. (May 1, 9, 14) -  
First of all let me record my much  
grateful thanks for your most kind  
& self sacrificing attention & regard to  
sale of Edw. Martin. This before you has  
been no small comfort to Elizabeth,  
who, through such mercy, has an  
eye to recompensation that I never had  
in the same way at all. I often  
wonder whether he will ever see his  
money back:- he has never let me  
advance 1/4 for the printer & since  
the 2<sup>nd</sup> or 3<sup>rd</sup> part.

I am glad to hear of Vassar's  
temperance, & of his share in the  
good Harbours.

Elizabeth has paid over the  
£5. 8. 11. I shall send a bill as soon

respects.

I find no resemblance of "Anaphylaxis,"  
except in the spray of the throat  
throat, & you do not say if there  
that you see Acrocera is a limited  
sense.

Heather is I do fear failing fast.  
He has made a last effort to get  
him here with his servant, last week,  
for a few days at any rate - but he  
would not listen to it. He is very  
emaciated, neither eat nor sleeps  
well, & complains of weakness &  
shortness of breath. He rarely comes  
to bed, & does just nothing but sit  
in his chair when he does, & says very  
unhappily about him.

As to my house & grounds, I do not

let them bother my head. They do work  
a great deal; but when a careful  
scrutiny not more than they ought.  
& I shall hope in a year or two to  
have cleared off the debt. After all it  
will be a great deal, but must surely be paid.  
Yes, I suppose I have better have it

left out. I mean significance of  
the word - but I really supposed that  
there must be something in what he  
said. We took a good deal of pains  
with the depictions.

Mr. James & we have had out  
here, my wife called in to see as they  
arrived, she is as bright as ever.

She also called on Miss Higgins  
- daughter of a man removed here -  
& we have since been here.

Antennaria at last, I have  
sent you a packet of seeds - we  
both of us thought it superfluous  
to send the sorts you yourself had  
named & which were well known.

Smith is still away & will be

It is my deep pleasure that you are away with Mr. Selwyn.

industries, - You cannot tell of our  
(as you once observed) as a Mahab. without  
knowing her own country: though whether  
I am a prophet or an important remainder  
to be seen, probably a crop, or more  
prophets - are & were.

Asper has told me of the great  
down the National Academy has  
done over - which absorbs both the  
medals & great deal else. -

I am just <sup>drawing</sup> ~~preparing~~ Nevisia from  
your seeds. for Mr. May

Wanderer is home, & maturing the  
scheme for the education of the French  
officer for Indian move in England, the  
Navy & Rep. Privileges to be taught  
at Kew - which may lead to our  
entering the old Palace, & its outbuildings -  
but nothing is matured as yet:

Yours affly B

B. Hooker

Jan 2/83.

Dear Gray

We have had Mr James  
twice - Mrs J. has brought her  
a photo of her husband, preserved  
of the Museum, & wants us to  
buy his paper - not worth  
our while.

The Pickering turned up at  
the R. I. Louis' office, we shall  
have them out.

Miss Bigelow was here to day



Joachim Rose & Merle. he got  
disgusted with them a few  
years ago, & gave them all to  
Kees, when Baker instructed  
myself & distributed the pork, I  
knew not where.

Speltzweck is very ill, with  
typhoid it is believed, caught  
at Kerner - today he is a trifle  
better, but his state is critical.  
Kerner is very low with an  
attack of bronchitis, & very

feeble. I called yesterday, & Dyer  
died today, & found him a trifle  
better. I cannot tell you how I  
feel for the poor fellows, all  
alone, & unable to leave the  
house.

Ever affly  
..

B. Brooke

Churchyard & left it there.

Herbertian Planchon - was in with  
the other day that he resolved to go to  
Kew - but came out to Kew  
next day / fresh - time of weeks / & got a  
little Vaccinium - he is terribly attracted  
by fossils.

Alph. Scudolph was asked to write  
a review of the <sup>for Nature</sup> & sent in  
shabby one that it cannot be printed!  
It would give much pain to Planchon.

By way of getting a fair opinion of the  
review it was sent to Hake for his opinion

& I thank you very much for his  
answer. It was partly my fault that  
H.D. was applied to; - of the reviewer  
I Hake I have nothing. I was shown  
the review & could not help regarding  
it as injurious to the work & to Bentham's  
position as a Botanist.

Copson is now applied to, but I  
greatly doubt a much better result  
Gordon has just called.

He has written again when it takes answer.

P.S. I have just got a package  
letter from Bentham, suffering much from  
rheumatism - his association is great. } small  
D. Hooker.

June 29/88.

Dear Gray I keep the road in the Bot.  
Mag. - I really am distressed about that  
work, - coming monthly & the drawings  
& plants by dribble, now a drawing then  
a lithograph, then a better, then a set  
dislocated over it, & lose head altogether.

For more health I change times &  
seasons when I can get undisturbed  
hours; - but Bot. Mag. must get  
minutes as it can & at any hour of  
day or night. Now too that Smith  
is away on 6 months sick leave &  
all the horrid detail work of his  
thrown on Deer & self, I get utterly worn  
up.

You have procured for me a very  
kind letter from Lambour with much  
excellent advice about mining &

prospects for a young man in America  
wondering who with "H. H. H."  
"are the circumstances, I might  
"find it probable to be of some use to  
"you on the premises". I am writing  
to tell him that the utmost I could  
forward to him is getting into a  
reputable firm to gain experience,  
at no salary, provided there was a  
fair chance of a share one when he  
became useful: adding that I wish  
with a ready, & prompt to crop  
the talent. "with his pack on his back".  
He will want to take out a lot of  
books - please tell me are old & used  
over liable to duty.

Spafford's death is grievous; - he  
caught fever at Rome, never rallied  
& made up his mind to the end from  
the porch - he had been to the candle  
at both ends & the middle too, with  
burning, science, respect. Society &  
no end of things about he would have

better let alone. Great efforts are being made  
to get him buried in the Abbey, much  
suspicious of I think, & I refuse to  
sign the Memorial. I have seen the  
dean about it, who was startled at the  
request, & agrees with me, that there is  
no case, but will consider a Memorial  
if duly signed. Great as I admire &  
dearly love Spafford's work I cannot but  
know he would refuse to lie by  
Darwin, Locke & Livingstone. As this is  
his social position, wealth, & good (with  
great) works, his command any  
number of signatures from this  
generation - but how many would he  
next give! Then too, men who  
relying on his agency, feel themselves  
bound to sign. A memorial in favor,  
set up by Dr. F. Pollock & Moule,  
men who have no business to put  
themselves forward in such a matter  
as representation of Science. For my  
part I have always disliked the idea  
of Abbey burials & would have far  
rather followed Darwin's body to Down.

July 24/83.

I see Gray I have just read your  
beauty essay in the "Gazette".  
Which takes it to the "Gazette" tomorrow.  
He may be said now to be little short of  
bedridden. <sup>(the reality is)</sup> had not seen him for  
6 days, for really he seemed to avoid  
to be any one that I rather stood away.  
I found him in bed & far more cheerful,  
- much anxious to see me to give  
precise directions about his funeral,  
which I am sure will not soon be  
wanted if he will not, by God's grace  
I ~~shall~~ fixed himself. That evening  
wrote A. H. had written to him  
telling him that he had written over  
his article to improve it - (which, I hope,  
he would be allowed to do), so I could  
not have telling him that I knew  
all about it. I added that it was  
clear to me that A. H. had never  
looked inside the work & was absolutely

ignorant of its contents & indeed of its  
 very existence. All. has written me a letter  
 on the subject but is afraid that I  
 don't know how to answer it. He  
 thinks that the nature of the work does  
 not admit of its being reviewed & not appreciated  
 I suppose, for he says not at all its one single merit.  
 Whether has your post card about

the matter. So after that "to & to  
why do Americans say  
interns arrived with to & to" (Post 9/25/15 257.)  
(line 2) & elsewhere) - & ask that "to & to  
married to & to".

We go to Summerville each week, into  
a small house built on the other side of  
the hole for cows, it is kept 2 or 3  
months for a Scotch & Red Wellbark.

No new news

B. Hooker



May. & James is showing flowers & will be drawn.

Katke of Berlin is here, a green man, he appears to be in unity with the Muscari people of Berlin. & wants to form a Herbarium out of the garden here! He can speak some English, & my bad French, - he is at work on Wildstraud's African Plants. -

x to which I have  
We have had a wretched spring and  
summer with no warm weather till  
now when it is close & hot. The crops  
are good, apples prodigiously abundant.

I am indeed obliged to you  
for letters in regard to Meach. He is ~~from~~ &  
looking out himself for employment. - From all  
I hear America is the best field & with his  
industry & steadiness he should be a well paid  
man in any country. I am in correspondence  
with Appleby, & Samuelson <sup>wrote</sup> ~~wrote~~ saying  
that if he knew what his qualifications were  
he might find his place in his work.  
Now I should like very much, as I thought  
very highly of L. - I am extremely grateful for  
your kind offer of receiving him in Boston.  
His going would be an additional inducement  
for me to accept next year. I had the offer of

"Prophet: ~~on the~~ answer y<sup>e</sup> the party which has just left - for Canada, but  
I wonder how far away this year! An ally N. G. H. M. H. H. H.

Mount Cottage  
Windsorham.  
Aug 24/63.

My dear Gray

The tiles are in place & I pray tell  
Mr Gray that every one is charmed with  
them. How I wish you could both see  
the house now that it is nearly finished.  
- The ground work goes on nicely &  
I have many an acre of potatoes which  
will be sold to meet my expenses.

Herbert is materially better, but  
very weak, he cannot (he says) walk  
across the room without a stick & a  
maid, but is free of pain & gets drowsy  
every day. He is very weary of inaction &  
cannot read much.

I have better news in the Garden  
at Hurlingham, Deer goes ahead with  
improvements in the Houses & Museum  
Up & down from this place,  
do a good bit of correspondence & Gardening

number stations. I am busy at a new  
Zoo Garden.  
Edition of the British Flora  
which is a heavy job. I have been given  
me many valuable notes. The object  
is the cutting up of <sup>the whole</sup> species into subspecies,  
& I am not satisfied with it myself; the  
making the type one of the subspecies is  
the ugly part of it. I have thought of two  
ways of getting out of it; perceiving that  
the description should <sup>as was</sup> cover all the  
subspecies as well as the species proper,  
I might make the description <sup>that</sup> follow  
the description with the type <sup>only</sup>.  
It appears as now the subspecies...  
or I might do as I now <sup>do only</sup> "Katschubsky" for  
"Subspecies xxx proper". The words "Type of  
species" - You may say why not abolish  
the word subspecies & make all  
varieties, but I think that notwithstanding  
the vast amount of forms that oscillate  
between <sup>varieties</sup> species & subspecies, there are  
many cases in which the latter are very

partly related to <sup>the forms</sup> ~~the forms~~ - Nyman adopted <sup>them</sup>  
I have been Campbell, writing with the  
last ed. of Nyman & was surprised to find  
how different at various points he is with Baker  
& Robinson, in the making of Rosa, Nanbes,  
Hieracium etc. Nyman under many  
names or synonyms, both British &  
German & French, is also the large genera.

I find I must look up 5 or 6 species  
of Batrachium, the consensus of opinion  
is too strong against lumping them  
any longer; I doubt there, the various  
lumpers' sections agree fairly well  
as to their limits.

I am also thinking of writing during  
brief allusions to Porterosia & Porterosia  
& noting the numerous <sup>plants</sup> ~~species~~ genera. I am  
looking at a good many myself, & find  
synonymy rather a heavy affair.

I had a flying visit from your Secretary  
Friday the other day.

Your & your co-workers' notes on Adel  
book are very interesting. I have just  
had Solanum Macleod drawn for Bot.

are not settled as to what to do as to sub-families.  
- that there are many cases of distinct grades  
of forms in the genus is I think certain.

& it is rather a question of words than of things.  
You do not like the term sub-families, & I  
may drop it, keeping the same name for  
them & it is for lower variation. I shall  
note the *Huberia* hypothesis before I  
make up my mind.

I have just printed *Scaph.* for the  
Nat. Hist. Society Latter & Supra

I look up Orbanchaceae with great  
reluctance - I think it should be  
divided between Scaph. & Cystodaceae.

I am compelled to write Campbellia &  
Christioma & wish Heulth had done  
<sup>nothing at all</sup> Edward  
I wish too that he had omitted  
half a dozen of the Vandellian genera of  
Scaph. I think too that he has made  
too many tribes & Scaph.

I am now revising Charles' Acant  
for prep, rather a laborious job, & with  
at all criticism.

Smith returned to duty last week, pretty  
well for him - but he will never again be  
what he was. He is so so, not over strong.

The Camp.

Oct 13/83

My dear Gray

I have been so terribly busy  
for some time past, so I should  
have written before if only to have  
thanked you for your letter.

I saw Marshall yesterday who showed  
me your letter which I feel grateful  
to him, but from whom he seems to me  
to be very miserable. I call every week  
without fail, & sit 1/2 - I have no  
more - He now sits up all day, &  
generally gets a ride to Ballter Park  
- he says very little to me, never asks  
me to stop, but <sup>in a calm way</sup> thanks me when  
I go away, "for my visit". He can walk  
across the room, but hardly do more.  
He has so few friends, (the Gattens  
are almost the only ones who he sees)  
& so few interests, that the time  
must hang very heavy on his hands.  
We have been living at Summerdale



clude the autumn, I going 2-3 times per  
3 or 4 days & after nights weekly.  
into "M. f. m." -  
Guthrie, bar. Feb.  
for the first time;  
& slept here, & today went to see Parich.  
(Munichsham)  
& heard a sermon on the 6 winged Scorpion.  
treated physically as well as spiritually!  
We like our house very much, but  
have been badly bothered by running sand  
in the well. Your letters are universally  
admirable, pray tell Mrs. Gray. I often wonder  
if she & you will live so there. I never  
saw the Great Salt Lake at Hopkirk.  
without writing that you had seen it -  
By the way at Water's nursery the other  
day I saw some a series of pieces from  
*Engelmannia* & *Mangrove* to *Munichsham* &  
staggered me. - also plenty of *Cercaria*  
apparently different from *Leiscaria*,  
but very variable & very near it.

I see from your letter to Brewster that  
you are going to take up "A. H. C." last edition  
of the Linn. I wonder how you will treat  
the vexed question of quotations from  
the German Plantarum. - Brewster & E. M.  
where Brewster has merged a genus without

specifically mentioning the species. It appears  
to me that this course is inadvisable for  
the species that Brewster is supposed to  
have known or known of sufficiently  
well. I do not see & doubt that  
could be entitled to be quoted. A. H. C., I  
am told, would insist the citation of  
Brewster & E. M. to cases where the species  
is verbally mentioned - if he should thus  
apply to *monotypic* genera?

With regard to the non citation of  
Adams & Townsend in the large parts of  
the German, it should be borne in mind  
that Brewster did not intend it to  
be supposed that Linnaeus was in any  
case the author of the German, but that  
the German was of "Linn. from P. Linn." - the  
agreement was for the only escape from  
having to quote a lot of authors who  
have given single names to genera.

I am very busy still with the new guide  
to the species, & with the arrangement &  
nomenclature of the Arborescent. Also with  
the Michael Flora which I am collecting with  
Nyman & Herman Mueller. It is a much  
laborious job the revision of the subordinates  
I am however obliged for your opinion, but

one of the Palmer for this year (i.e. 1882)  
which from Deer is always going to send  
to keep! It cost me a terrible deal  
of fog. My were so hurriedly named &  
the knowing was so bad. We have  
now the finest collection: I suppose  
though Woodland is the largest etc.

Ever affly yr

B. Hooker

he has done an immense deal towards the  
organization of the Garden staff & its duties  
during the last. Westmeath, &  
with admirable effect. & has  
taken very much of the work of the  
Garden & houses. Smith's absence has  
thru this upon us, & we have thus  
made serious improvements which we  
could not otherwise have carried out.

I should say however that we are  
blest with some excellent foreman  
& workmen which for many years  
were very badly filled. This we owe  
to the higher way.

My great trial is still the feeling  
between Oliver & Deer, which the former  
shows too often. Oliver's views get narrower  
every year. & though he professedly esteems  
& respects both his place & his collaborators  
& Deer & myself, he cannot bear to "give  
& take" with us. We have had his son  
Frank staying a few days here with us, a  
perfectly charming young fellow, now  
gone up to Cambridge. He tells me that his  
father will take his pension the moment  
that he can claim it. & cut him - This  
will not be till he is 60, nearly 7 years hence.



or I hope we shall get a good lot of  
books out of him.

At the Harlow we

a good purpose:

have just had

the turning up

of Kiehl's book collections of the Gamabara.

Expedition of 1859! - I received a letter

from the Sup't of the Portsmouth Dockyard

asking me to remove 4 cases that I had

deposited there in 1878. I at once wrote

marveling what they were, & ordering them

to be sent up to New - with the cases

all <sup>originally as</sup> ~~directed~~ <sup>to my father's</sup> ~~to my father's~~ <sup>letter</sup>

as long as you heard & as visible in 1861

I sent home 4 cases of waste. They had been

expired for over & over again & were.

Marshall to say they (being packed in tin)

are in admirable condition. Amongst them

are the fine collections he made in

the West some 12 high. near Lake Nyassa.

Wraith of Aberdeen has volunteered

to be the Kilmantjara Expedition of the

Can get leave to put a substitute in his

chair. He collected admirably in the

Amazon.

Balfour is engaged to be married in

January. the Glasgow young lady, a connection

of Thomson's. He is printing the Southern  
Flora.

What are you going to do about the Brit.

Expedition next year? I have not given

up the hope of going to America next

year, but I wish the N. A. at Johanna.

It is long since I have heard of Sargent,

has he yet begun to prepare the Arnold

Arboretum? - I wish he would come over

& see the New one. I have made great

advances since you were here & shall

more yet before I have done with it.

I should much like to make a book

on it - an "Arboretum & Fruticetum Newae"

- though I am in utter desolation

certain places, as Fraxinus & Tilia.

I am very sorry to hear from you that

Euglenmann has returned without

visiting England - I am sure he would

have learned much from seeing the

Carex of New Zealand & other

places. I have a great mind to

prepare a catalogue of the New Zealand

for much years Robert - I have done

took the first set of aspirates, but  
I forgot at what price..

We are both hugely tempted by your  
proposed trip, but I do not see  
how I could get away for so long.  
I should like to move Arizona  
& California business, but to stay  
in for Montreal & Philadelphia  
would be impossible for either of us.

We are very busy with the Estimates  
for New ones.

I am writing in the study of "The  
Columb" with the Gray's & even pretty  
titles at my back, we are heartily  
permeated. I wonder if you will  
ever see us here? I should enjoy  
another cruise L- stay with you both.

Ever affly  
W

W. Hooker

October 28/83.

My dear Gray

I dare say that you are  
kindly wondering what has become  
of Brian & the things have  
turned up that have necessitated  
my plans concerning him. One  
the prospect of a post as Assayer  
in the Melbourne mine, bringing  
at £200. with a fair prospect of  
£1000 in the long run. <sup>The other</sup> <sup>gold & silver</sup>  
that of Assayer to some mines in  
<sup>Montana</sup> ~~Montana~~ belonging to a company  
of which Mackay is chairman.

In either case testimonials are  
wanted of his being a quick &  
accurate assayer; & his visiting  
students anticipate, though a very  
good one, is of course for students  
work only. So, acting under

The best advice I could get. Brian  
volunteered to take some  
weeks work at the  
School of Mines. Leventy is  
spending some & others, & is now  
there under the immediate  
supervision of Prof. Roberts & his  
second man. These both speak  
confidently of being able <sup>after a few weeks</sup> to  
remember him to either part;  
& the former has kindly offered  
him work at the Mines, under  
his own eye, (Roberts is absent to  
the Mining). So, be it - any thing  
unusual turns up; Brian is  
to work on till & over, & any  
help he might be tempted to take  
some inferior appointment, for at  
25. he is naturally anxious to be  
up & doing.

I have no news. I see Hawthorne  
weekly & about as usual - the

two fellows seem very miserable  
having no occupations or sympathies.  
The complaining of failing strength, but  
I do not see it - he gets a draft  
drum, & crawls upstairs to the  
Attic room. I cannot get him  
interested in any thing, though his  
mind is as clear as ever.

Holborn is about to be married  
to a Scotch lady, a cousin of  
the Thurns (T.T.). - We go next  
week to the marriage of the only  
daughter of my cousin Hugh Holborn  
at Yarmouth; the clergyman  
"Mr. Barker, with reputation"  
& as she has some £10,000 of her  
own they will do!

Barker is selecting from the  
remains of Gals' Thurns: when  
there will be another division of  
dupliques - with you or with  
them as before? I think you





do not see it - he declares the coming  
winter - it has not come yet! & now  
the sun is shining lovely though it  
is cold at night.

The publishers are keeping me  
hard for British Here, which has cost  
me as much of trouble & will take also  
much & months more. I wonder if  
by the American Here will get into  
the same state of unstable Equilibrium.

It is diverting to see how utterly all  
Gelp-humours, Lyman & Robinson are  
in Rebels &c.

As to subscribers I thought I would ask  
principals of those that are the books.

Howe & Malform as Messengers, Allen &  
Baker as outsiders - none of them will  
hear of giving up the term & would

regard its suppression as a retrograde  
step in evolution. After all, if we see  
to have Bress & deLorden, Simon &  
Delapmore - why not subscribers?

Harriet is very much weaker & we  
are anxious about her, - she is prostrated  
with fainting fits, rheumatism (what  
that may mean), & functional (? organic)  
heart disturbance. She is inclined to  
venereal peritonitis & months to  
rest.

Suddenly Mr Lyman's election to by N.  
Camp & came there last week, with  
Mrs Lyman. He is very ill with (cardiac  
dilatation & can not lie down without  
terrible spasms. which nothing seems  
to relieve effectually - he has spent  
the whole night & is now on his legs.

His feet are much swollen & he is  
greatly reduced. Mr Lyman is worn to  
a shadow morning him & looks very  
ill too. Hyacinth is delighted to get  
them to near us, & has sent Perry to  
help to nurse.

Malform will go to far before, he is to be





tutted to me a little. I had best  
am in November, but he would  
not take it up; - as he said  
was "it is not a History". I wish  
I could get up an interest in it, but  
I can't. & I think that Deane's  
action has done more harm than  
good. In the first place his position  
as a Naturalist does not entitle him  
to contradict himself. As <sup>my opinion</sup> ~~my opinion~~  
he sets the ridiculous example of  
straying after the letter & ignoring the  
spirit of the laws <sup>of better men</sup> made before him.

Good intentions are dying out, &  
pettyfoggers in the laws multiply.  
Dr. Jackson & Dr. Miller are the two  
self constituted bullies in this  
country. & the Geo. Linnaeus bow  
down & worship.

Thank your paper before me & 10  
clerk another paper from Hall! &  
Dr. has taken up his parable.

I really cannot change my habits  
& practices: Brit. Flora & Fl. Nat. Hist.

Without better means than I have  
seen shown. The <sup>my</sup> burning question  
open now is, the <sup>authorities</sup> ~~authorities~~ for the species  
of Geese lumped by the authors of the  
"Geese of America" - this both you &  
Deane & the others - for Deane & the others  
wrote briefly for all species & could  
not do it! & you shew it - is your  
review. You say "there are taking  
arguments in its favor" - but do not  
say that, while you by implication  
invariable speak <sup>in a</sup> ~~in a~~ critical  
review - is that fair? - My  
contention is, that of Deane & the others  
that Carolinian species into sericea  
was said? Not with that because  
any species enough find that  
Deane was right. <sup>as my</sup> ~~as my~~ <sup>often</sup> ~~often~~ <sup>after</sup> ~~after <sup>the</sup> ~~the <sup>equal</sup> ~~equal~~ <sup>studies</sup> ~~studies~~  
(I believe) digging a Goose out of a  
wrong hat. Order & putting it in  
its right <sup>order</sup> ~~order~~, <sup>being</sup> ~~being <sup>misplaced</sup> ~~misplaced~~ <sup>by</sup> ~~by <sup>him</sup> ~~him~~ <sup>as</sup> ~~as <sup>he</sup> ~~he~~ <sup>did</sup> ~~did <sup>it</sup> ~~it~~ <sup>was</sup> ~~was~~ <sup>not</sup> ~~not <sup>his</sup> ~~his~~ <sup>own</sup> ~~own <sup>work</sup> ~~work~~  
saying he did it. - for that is <sup>the</sup> ~~the~~ <sup>point</sup> ~~point~~ <sup>of</sup> ~~of~~ <sup>the</sup> ~~the~~ <sup>matter</sup> ~~matter~~  
what it comes to. Here is <sup>the</sup> ~~the <sup>point</sup> ~~point~~ <sup>of</sup> ~~of~~ <sup>the</sup> ~~the~~ <sup>matter</sup> ~~matter~~  
any printed all the Carolinian names.~~~~~~~~~~~~~~~~~~

The number name is wrong

There is a great improvement in the  
value of English Currency of good standing  
has brought up the value which he has  
not to report to you as a 3 months  
engagement at £15 a month & travelling  
expenses. He left us a week ago  
in high spirits.

We have got £500 for the Robinsons  
Exploration for the N. A. & £500 for  
the N. I. Gold Grant, & a very good  
man infirm who had been at  
the age with a party of Garibanes  
& there were two - a Mr. Johnston  
clever, a good writer & sketcher also.  
Not a student collection I am sorry to  
say, but improved & much more  
to learn.

A big box goes to you through the  
Sunderland

Yours affly  
W. Hooker

high home. Lastly the value to me of  
the citation of an author's name, is  
the weight it carries with it.  
I regard it as of great value  
in relation to the fact that such a man  
as Huxley, engaged in such a work  
as for. I must refer to Carolina &  
Senecio, which I should say, Huxley  
Campbell, Muddell, Catalogues - Walker,  
others who may adopt his  
conclusion & cite it in their own reference.  
After all there are such things as  
doctrinal cases, - to be dealt with  
not according to the letter, but to the  
spirit of the law - I should have  
said that Huxley & Muddell & Walker  
Lophilar &c. - All names attached  
a more self thing than "Never make  
an assertion say what which he does not  
say" - ~~that~~ <sup>out</sup> say him a coach & six  
through London & back - I take  
down a vol. of J. Huxley & let it  
be done - it is 11. 850 - & I say  
that B. puts all the species of  
Heterocaim into Senecio & let it  
say he puts the names only, not the  
species - I cannot follow you.

My impression is that the number of  
cases - in March & which the church  
has attended to - for the benefit  
to be gained, are so many, that  
you cannot pick & choose between them  
& the more loosely worked. 1) That  
the number of cases & the frequency of  
the cases have been referred by others  
generally - the reconstructed church, &  
that the additional frequency will  
not be so great as you anticipated.

3) Should not the Association represent  
the latent resources of systematic  
activity. - 4) Legislative as you wish, there  
are leaders of people who will refer  
to their own names to species referred  
by Newton to their proper sphere of  
influence or by explicit mention.

I am still very busy with the  
British Home, I quite agree with you that  
you have no room for subscription in the  
American Home as yet, but you I suppose  
will have to admit them when they  
there are - in numbers enough. -

~~obtrude~~ themselves on attention. I shall  
not get through it for 2 months yet. - I  
and began the Leviathan of H. Rich. but  
but had to throw it off for other & for  
a heap of other matters. The new New  
Garden parish which I have had some  
most fear; & the Abbeys of which  
I must do myself. We have  
been very little out, but a good deal  
at the church, which is a capital  
place for work. My wife has no  
doubt told you about all the  
arrangements - there. I suppose has been  
better & worse but is very bad now.  
Harriet remains at the same low  
level of vitality - & is kept very much  
on her back. Fortunately she keeps up  
her spirits. The Doctor would allow  
that there is very little of her mother's  
case in it - but I feel sure there is;  
& strong incline to the opinion that  
a badly nourished heart is at the  
bottom of it - in both cases or some  
such affection of the circulatory system.



room & allowed to see me for a few minutes  
only - she looks as her spirits somewhat better.  
in humor is just for her too. My aunt is pretty  
well but complains of weakness.

Balfour is married & has been appointed to  
the Belfast Chair of Geo & House in alr. Mr. B has  
money, & I suppose his father has left him  
some. The latter died unexpectedly at Carl.

Many thanks for your last letters to my  
wife. As to <sup>the</sup> names of Gen Pl. I shall be  
indeed with what a small committee, say  
Hall, Oliver & I see decide in the matter of  
standing without pledging myself to any rules.  
I hold names to be means, not ends. Even if  
Miss H. left care on turning up, I find that  
Sydnis alba is prior to L. vesperina, which is  
long known & so I prefer as opposed to vesperina  
I cannot bring myself to accept the colorless name  
alba - I suppose I may use alba. Sydnis is  
also Sydnis Chertoni Benth. - Arenaria Chertoni, Benth.  
in Gen Pl. i. 150. - Dad. Jackson & Smith say it  
should be alba because I first wrote it so.  
to me that would be sheer piracy.

I think there are cases when it would be  
right to give the author of the species name though  
under another generic name that of that he put  
it in. - provided the new generic name on  
entirely anonymous. Thus Pl. did not observe  
that Lauraea Cap. is older than Microstylis Benth.  
& hence Pl. Ind. III. 485) say L. repleta Benth.

Feb 19/84.

Dear Gray

Will you compare your  
Pirola rotundifolia with our var. alba  
Your Sydnis Sydnis is entirely diff.  
from the true Bermudiana - of which we  
have for the first time <sup>examined</sup> specimens from  
Bermuda - so say, Henry & after  
examining figures & specimens I think he  
must be right. I have had lately to  
reconsider the matter of attending the N. A.  
meeting at Montreal, - having received a  
formal pressing request on the part of the  
Council of the A. P. that I should do so  
if I could, as they were really in want of good  
representation N. A. - of course this is putting  
the offer of invitation in high ground & I felt bound as  
former President to accept with the proviso, that I would most  
likely be obliged to withdraw at the last  
moment; for that though I gladly subordinate  
all other objections to the wishes of the Council,  
urgent family <sup>affairs</sup> would probably offer  
insuperable objections; & I urged their looking



but for some one else. Of course I should be  
sympathetic & Benthams state - they may  
live 6 months, wh. is about the outside  
term of his life. That Doctor goes  
to Carl. & I don't know I should expect I  
know of times how I could have <sup>either</sup> of them -  
& if they, or either of them, decess within a  
few weeks before the date of meeting I  
could not go, for I should <sup>have</sup> other  
affairs to look after. My other objections per-  
tains of; the chief is being away at Regy &  
James holiday - Hyacinth, that she will go if  
I do; but I think she won't find that  
so easy. I go as my going. I am thus kept  
in perplexity which I was free from when I  
resided with to go. - the silver lining to it  
is the seeing you & Mrs. G. & I do feel  
this to be a deep pleasure & store. Of course it  
is no use speculating on my long after journey,  
that could only be when my poor invalid to be  
released within the next few months. Symonds  
sufferings increase with his sleepless nights &  
he has not been out of the house since & Mrs.  
told us he has been almost confined to  
apartments. We were obliged to get a nurse, as  
Mrs. Symonds was too young up. The doctor says  
it may be a leaden and or a lingering one. he  
keeps his spirits marvellously up when his

fearful fits of shivering are over - & they are daily.  
Saying there he can <sup>retain</sup> nothing, so he does  
not like washing himself.  
Benthams condition is deplorable; he was in bed  
a fortnight ago that I was warned by the doctors  
order, & Dr. Hanford sent for, but he rallied  
after the letter came; of course he did not  
want to see him! - nor poor fellows does he  
want to see any one else. He sits all day long  
(when out of bed) in the drawing room by the  
fire with a small table in front <sup>of him</sup> where I think  
there is a little square pillow; he buries his  
head in his hand & there is this pillow. I  
see him once twice a week, but when I go  
he wont raise his head or put out his  
hand to shake mine <sup>both are joined to the pillows;</sup> he says nothing; hardly  
speak for any one & I go as I came after  
thrusting my hand into his. A more  
melancholy spectacle you never beheld. He  
wont see my wife or any one but Mr. F. Galton  
Oliver & myself. He was better when last I  
saw him & able to creep the room with his  
stick only. His bed is in the drawing room  
He reads a very little indeed, but would be  
glad to. - By the way he told me last time  
I was there that he had consented to see Mrs.  
Galton, but I doubt if he will. Indeed he does not  
always see me.  
Hannah is no worse, but almost confined to her

De Moor, VII. 181 (*Microtyruchus*).<sup>\*</sup> I am doing  
this with species of *Lepotis* described under  
*Gymnaendrus* which unhappily Breather  
did not observe was posterior to  
*Lepotis*. - By the way some species of  
*Lepotis* have 2 distinct subals.

By the way Baker's genus *Carapylaudra*, is a very  
good one, Breather, J. N. III. 172 incautiously referred  
it to *Eupistia*, mistaking Baker's mistake &  
deciding the species as *Peltata*, whereas it is  
3-partite as well figured by Baker, & totally  
different from the true *Peltata* species of *Eupistia*.

There will be a seminar for the Glasgow  
Chair, the Rufford Ward, now of Bristol College  
Manchester - who did the College disburse  
McNab is trying to get May 19th the College would  
have been at any price. Murray of the  
Phil. Mus. is Harbidge's candidate because he  
is working out the Salween clerical for him,  
& thereby has some office influence. I  
doubt if any of them would make a  
really great Professor.

I have had a little <sup>some</sup> *Lembar* & cold  
letty & been *relating* but are better.

Another to me say I have found her  
2 novels charming, & most interesting.

Yours  
W. B. Baker

W. B. Baker

x I was wrong: the following species for Dr. Baker from the plant is very common. (*Schistocarpus*)

institutions as much of a compliment - It is  
just 40 years (from 1885) since I went, at  
the request of the Professor to give Graham's  
course - which I did gratefully - &  
stood for the chair with the strong backing  
of R. Robinson & Prof. Brown. - so if they  
wanted to better me they might have  
done it earlier & during Balfour's life.  
I did not want to put me in a belated  
year for this is the number to be published  
in L.S. at the tricentenary. However I should  
have done but for the greater attractions of  
the chair here.

I am still very busy with the New Green  
Garden Guide, <sup>2d</sup> Edn of British Flora &  
Bot. Mag, which is an awful drag, but pays.  
I have not touched St. Brit. here, for  
months. Committee of donors: London  
& Cambridge, Cambridge are still sent up  
a deal of my time.

With love to Mary,

Love ally J

W. H. H. H.

March 19, '14

My dear Mary,

Thank you much for the  
two most interesting little plants -  
you enclosed & your book. I send  
herewith - I have determined about 2  
the Saxifrage.

You are altogether too liberal  
in regard to the Gagea plants. But  
I submit to it with thanks.

There is no particular botanical  
news. Balfour has now been  
accepted for the Oxford chair; the  
candidates for Glasgow are Mr. Ward  
& Brown (Collected) are sent  
but to prefer to investigate the  
Cyperaceae, Mr. H. B. Stinton &  
Lichenists of Glasgow, & J. Murray,  
of the North. West. I don't think  
that any of them can hold a

Candle as Mourners & their predecessors  
in the Chair. Only trouble  
that we shall (I hope) have  
trouble to see 6 "preparations" in  
Chair! We have Mr. Ward, as having  
a "lie" on us -

I forget whether I told you that  
I had a journal, received from the Council  
of the R. A. & Co. <sup>to Montreal</sup> V. P. - This is  
course I write with reference, & have  
accepted constitutionally as family  
affair. i.e. my father is laid up.  
Nervous states of health. The  
journal has taken to Chloral as the  
only means of checking the alarming  
episodes, & it does so effectively, & gives  
him great comfort. - As yet it has  
produced no bad symptoms, but  
doublets with the drug "the Canal"  
annoying. We drop down from  
Sunday & craviness. Nervous is  
divided strength, but won't own it.  
✓ is a texture & aware to being amused  
a interested nurse. He does not even ask

for Kismet! He is so absorbed in his own  
feeling of weakness - he still reads the  
German & German text. His maids tell me  
that he will get out a driver in this  
weather but for he can't better & can  
walk across the room & has been

been down stairs.  
Harriet has been reported in better better  
for a fortnight. I was her visiting & could  
not see much difference, the pointing  
her finger as they walked with great  
& she cannot walk at all. It looks as  
if good, whatever that may be, was a  
the bottom of her illness. I've told  
of taking her to Rochester when her  
strength & the weather naturally if it

The tercentenary of the Columbus is  
later a grand affair, I was invited to  
& be double L.H.D. but as it comes in  
the very month of Easter, when we hope  
to go & see Bessie & Grace in Paris & later  
there a little trip, I have declined.  
All the same as, if we go to Montreal,  
I should not, <sup>otherwise</sup> see the children for a  
winter. Now do I take the Columbus

We shall go to Paris for a few  
days at least to the Grand & Higgins  
who are sitting on a beautiful work &  
very happy.

March 23/84

Glad to hear you are so kind.

By the way do mention <sup>the</sup> members of  
Society - it is such a bore. Just try  
to count the species of *C. G. G.* &  
Waters' thingy, & see how you  
get bothered with children & men.

This three-hundred custom to number  
them & a most useful one for those  
working at completion of flowers -  
it looks like a pleasure to do it  
& you find nothing but growth & life  
in these accustomed to the private  
which find it useful.

Yours affly

P.S. 29<sup>th</sup> Chagrin  
£25- just received  
you are too liberal - but it is most welcome  
It is much delighted at getting a letter from  
you - send love to our little & unpolished  
in the long manner. G. Darwin (at present)  
Miss O. P. of Philadelphia, young, pretty, - much  
rejoicing also present. Mrs. D. very kind

My dear Greg,  
Thanks for yours & the notes  
on Part XI of H. B. L. - I acknowledge  
very much - I was enough (Clarke was  
careful as to gender, but I was doing  
so & overlooking them & the prop.  
I think them 2 days ago, Clethra  
& in his right mind! He actually  
talked, smiled at me once &  
thanked me for giving L. de Paris!!!  
He had been twice out for a drive  
for an hour. This is probably the  
first time since his illness began  
that he has been - well what shall  
I say - "pleasant" is perhaps the  
best word to use. Yet odd  
enough he never asked for Harriet -  
or any one. The poor thing is  
perhaps a trifle better - but I see



no real change. The knuckles are  
terribly swollen & painful, & the  
white swellings of the phalanges are  
insupportable to <sup>she is now treated for gout.</sup> touch. The dysphagia  
is appalling, distal the neuritis,  
& internal pains. She still shows  
no reaction. It is always remarkable  
the wish to take to Eastbourne when  
the weather & her strength admit of  
it.

Oliver reports today that he  
has sent off the remainder of eggs,  
all but 4 females, 1074 spp.

We have despatched Mr. Munro  
to Kilmarnock, so that because it is  
far off my hands, <sup>for the present.</sup> I am glad to say.

It has been an incubation for 2 years.  
He is young, active, a good writer,  
sketcher well, & is well at collecting more  
in life but is not at all what we could have wished.

I had hoped that King would have  
sent a collector for Cade. B. G. 2-  
give the book; but he could not  
manage it.

I have just finished the new edn.  
of the Green Guide (p. map) with a  
very much of the Arboretum contents.  
It has been a worrying job. To say  
enough & not too much - is to  
interest & not bore people.

I cannot remember when I saw  
a note to the effect that *Viole arenaria*  
should be compared with *H. S. Protomastix*  
but I took a note of it at the time  
to refer to you, as it surprised me.  
as a result *Protomastix* was meant,  
as you suppose.

Yes *My Macgillivray* is awful, but I  
could not resist a better - I wish  
were Lincoln's a Wallace's house of  
christening - they were unexcelled. Also  
Solander I think was very good at it.  
Hebrews & Latin I had much to  
write later & the beautiful pictures  
have you & done what you see!

Hotel St. Roman  
Rue St. Roch  
Paris April 18/74

Dear George

I have not much to say. Though  
coming from a home which sets us  
thinking of you & dear Mrs. Jay continually.  
We have been just a week here &  
there is 3 days, the children's belongings  
being there over, & the grasses were  
over yesterday, as she had but a week.  
Her time has been wholly occupied with  
them - light sewing - & once we went  
to the Jardin de Plantes, but I called  
on no one. I however met Mr. Cornu in  
the gardens to day, who knew me. I  
did not recognize him. I have not  
now a friend in the place. I have outlived  
them all, Japure, ~~Marcel~~, Secisio, Monquart,  
Spach, Deville, Weddell, Jandier, Mars,  
Vallier, ~~Rayol~~, Ch. Gay, Richard, Mosnier,  
all I think <sup>but the 2 last</sup> attached to the Jardin at one  
time. Besides Delaport, J. Jay, Webb, Montagne,  
M. St. Vincent, Joubert, Noé. & a lot more  
who in 1845 formed a very pleasant coterie  
spending the evenings at one another's  
houses, night after night. All this is long ago.

changed, very much I suppose <sup>owing</sup> through the  
want of any such head L. Scutiger  
being as well as the others; H. Elder  
Dunrobert; Jambert  
entertained weekly. Paris too, like London  
has become too vast for much reunion of  
clashes.

Except the exhibition of Nat. Hist. collections  
from the Sierra del Fuego by H. Elder, I have  
seen nothing scientific that is new & interesting.  
It is very good indeed, & the scientific stuff  
must have worked tremendously hard to have  
got together so fine a collection from so  
improbable a country. The similarity of the  
insects (Coleoptera & Lepidoptera) to our own  
was to me marvellous: if they had been  
called French I should never have suspected  
their origin. I saw no novelties amongst  
the plants.

Mr. Lef. Whipple, stationed at New, I saw  
him the day before I left, he had got  
dysentery & was sitting up & in much  
better spirits. He ~~was~~ much happier & house-  
cleaning, & is in despair what to do. - I saw  
he would like to be asked to leave & to  
be "died" at once. He answered that he would  
leave it if he could, but I very much doubt  
if he can: he asked me to help him to  
walk a few paces in the room, he holding  
on by the table with one hand; but if I had  
not caught him by ~~the~~ <sup>both</sup> arms he would

have been down on the floor: he is so weak &  
emaciated, & more ~~stupid~~ <sup>stupid</sup>: he could not stand  
an instant still if the weather got warm & he  
would take a little sport & on some he would  
be able to do something towards getting about:  
the complaint must of short breath.

Samuel is much the same, the natural weakness  
of the shadows, but the sleep increases & he  
too begins to complain of shortness of breath.  
Harriet is much the same too, miserably weak.  
The pink joints are much swollen, very painful  
within, but devoid of sensation. Externally even to  
pruritus. The dyspepsia is as bad as ever &  
her pulse is nowhere. ~~He~~ <sup>She</sup> waits for worse weather  
to take her to Baltimore.  
Under these circumstances I see no chance of  
my going to America & returning  
from Paris the weather has been bright,  
except for 2 days, but miserably cold.

One day we went to Chartres, which I had  
never before seen - it is a curious site.  
After visiting St. Germain.

Hyacinth seeds have been born to get better  
& many thanks for your last letters  
Thos. Rogers is well & sends kind  
regards.

Ever affly  
W. Hooker.

in "poker-tious" a week - she has lately  
returned from Madeira, Teneriffe & a long  
journey to Portugal, with which she was  
delighted.

The Home Society (Walsingham) have got into a  
mess by appointing Mr. Stab to the Glasgow  
Chair before the vacancy was announced! ~~but~~  
other candidates brought forward - & this without  
consulting the University or any competent  
authority. The Glasgow Faculty are furious,  
& amongst themselves holding both to Stab &  
Glasgow, thus making the South! -  
Of course the appointment of Mr. Stab is invalid.  
The whole thing is a desperate job - a job to  
the Irish who I believe want to get rid of  
Mr. Stab. We at New from Ward (now at  
Manchester) for the Chair, but there is really  
no good candidate. Mr. Stab has disappointed  
expectations - he is a wretched lecturer &  
worse behaviour. & not the sort of man for  
a first class Professor.

We paid some first visit to Mrs. Darwin last Saturday  
at Cambridge - she has a nice house & a few acres  
round it, with a beautiful garden & a good deal of  
down! - Frank was building a summer  
house or so on one side of his mother  
& Anne as near as the other side -

George who is as you know going to marry  
Miss Webb of Philadelphia is despatching

Aug 24/44

THE CAMP,  
SUNNINGDALE.

Dear Gray, I have yours of 18<sup>th</sup> & heartily  
congratulate you on the completion of the  
Lampbrushes - a great work. I hope you will  
keep your holiday & Mr. Gray too, who may  
write heartily for her much welcome letter  
to me.

Wentworth is off to Northbrook! - he was  
most wretched again for a fortnight before,  
but determined to go, though Elizabeth was  
against it & I thought him quite unfit.  
Nevertheless he has written me a few  
lines telling me that he bore the journey  
pretty well, & so I hope the rest that the  
change will benefit him. I could not  
make out whether he intends to come  
back or not: he thanked me before he  
went for what he considered my attention  
to him during his illness. I wish he had  
sent a message to my wife, for she feels  
greatly hurt by his indifference to her after  
all she has done for him & his wife. I  
told her of his request too - he has steadily  
refused to see her ever since he left her  
though he saw Mrs. Galt after & Mrs.  
Lytle too: I should almost be come to us while  
his home was repairing - well, it's a world



it would be called insupportable! I shall  
write to him just as I wish - as I visited him,  
for I believe he has a regard for me. & I  
am sure I have for him, & I shall miss  
my visits to him very much, such as they  
often were.

I have been grinding away at the  
British Flora ever since I wrote, with spells,  
at the new Garden Guide, & Bot. Mag.  
which gets more & more difficult, as  
naturalist literature dilates. Miss Smith  
is greatly improved in her drawing. I say,  
her name as Fitch was paid, or rather  
more, & she is off on her own, working at  
the Museum for any one, & living by herself,  
or rather boardling. She makes good things of it.  
Harriet is better & worse. Just now she  
suffers from severe indigestion - she has  
however got out a little in a Ketch chair  
more than once. She is comforted by  
hearing that her great aunt, <sup>surviving</sup> Mary, is now  
happy, who is now absent of 80,  
& suffered in the same way with sorrowing  
fits &c. - she has however been a sad  
invalid all her life. Harriet still hopes  
to get to Eastbourne, but neither the  
weather nor her strength admit of it  
yet.

Symonds continues here & is so far greatly

convinced that the downward proper is  
very slow. The channel is class of 30 ft. continues  
to open better his wonderfully, checking the  
specimens - but he has bad painting fits  
at times. He says this place thoroughly.

I have carefully read your note about  
"varieties." Little think the best plan is  
to make a preliminary - the arguments for  
& con are perfectly balanced, & I therefore  
follow the simplest plan that secures  
uniformity. You do not state the French  
objection to  $\alpha$  &  $\beta$ . & what is that & may  
turn up which should stand between  
 $\alpha$  &  $\beta$ .

I am getting up a list of our Arborescent  
conifers for the week - Mrs. Webb; it is  
now a very fine collection. I wish that  
Leyland had seen it.

Miss North is back, & has built a  
much more to her gallery of Mr. Lake &  
Dyckell paintings - which are however far  
inferior to her earlier ones. She feels  
her previous surplus too. & has definitely  
given up all idea of another trip to  
Tours. - (for the present I suppose!) But  
indeed she looks much worn & weary,  
& is in fact "used up" as artist & traveller.  
I met Miss Nicholson last night, looking



N. Melus to paradisaria, & & & also  
p. 476. Onobrychis aris, R. succisa - <sup>all</sup> <sup>no doubt</sup>  
~~because~~ <sup>because</sup> females are trees.

As to subspecies you will see how I  
have got over that difficulty. i. Mil. Pl.; &  
for that matter var. too - Darwin  
would have called it "inconsistent wrestling"  
a term I <sup>on</sup> applied to the chapter of Aspl.  
Gray. Wh. is which after trying to get rid of  
Evolution he sent of accepts it = the phrase  
Charles D. who was won't to apply it.  
various. - After all usage must govern  
many of these ~~various~~ <sup>matters</sup>; & I would  
make subspecies follow the generic sex  
because they are talked about by Pl.  
~~by proper~~ <sup>by proper</sup> names, which varieties are not;  
or if <sup>then</sup> they are coupled with the generic name  
which governs the termination.

After all there are unresolvable matters  
embarrassed with the utter indifference to  
the right use of terms, ~~very~~ <sup>very</sup> ~~very~~ <sup>very</sup> common  
ones, that is creeping in through our  
younger botanists - not being drilled as we  
were. Clarke made my flesh creep, &  
Haken make my hair stand on ~~end~~ <sup>ends</sup>.  
Reichenbach's is utterly unmitigated

We had Jeune here two days  
ago, & I took him round the garden & gave  
him lunch, we did not know that he was

June 21/84.

Dear Gray I have read your paper on  
"Varieties" with much interest & profit;  
but do not follow all along the line

The subject is far from exhausted &  
the worst of it is, that of the various  
usages none are perfect & none  
adhere to generally.

With regard to Naet. amplexib. I cannot  
understand your saying that indivisum  
is not an "undivided var. of the species."  
What Dr. does is to cut up this whole  
species into var. giving botanical  
precedence to none of them I take it.  
- none represent a type or <sup>the</sup> "species proper".  
There is much to be said for this  
mode of treatment <sup>perhaps</sup> & I think the only  
objection to it is the use of f, b, p.  
because of you get a 4<sup>th</sup> form it may  
have to be intercalated "between d & b  
or b & p. or put it the best far from  
its nearest affinity. - I should prefer  
saying var. indivisum or var. inclusum, I  
don't care which - If however we do

to consider & the type - then it must agree  
with the genus, whether you do with the  
other var. -! - to come much  
any I am for sitting mid of

& I altogether. Some authors I think  
use them as you would 1, 2, 3, merely,  
in numbering paragraphs. I do not  
know what idea Linnaeus attached to  
the use of the Greek letters. - When ~~he~~  
begins the var. with B. it is clear I  
suppose, that ~~he~~ <sup>he</sup> did not think the genus  
came into varieties, but that <sup>he</sup> had  
a type, <sup>in his eye</sup> in which case the varietal  
characters should differ from the  
typical, & prevent I think.

You say Linnaeus introduced the practice  
of d, B, v. but you do not observe that  
he was most inconsistent: his use  
of it, cf. Sp. Plank. where on page  
130 you have Heliotrop. indicum followed by  
B, & a note has Myrtus scrubridis  
with an d arvensis & B. palustris ~~the~~  
p. 142. he calls his type (Prun. Seris)  
officinalis (without an d) & follows it by  
B elata & p. accutis - And on p. 143

in Pr. auricula, followed by B - S  
without names at all: ~~and~~ p. 654 he  
has Dentaria pterophylla followed by  
names d, B, v. - Then on 6 - his  
terminations he has <sup>347</sup> Epilob. angustifolius,  
retifolius - which we charitably accept  
as misprints - p. 85: he has Aureum  
distinction B. dict. aureum. I find no  
notions about Vars. (as about genus &) in his  
address to the reader, & I suppose that he  
did not regard them as varieties at all.  
- What would the old boy have said to  
subspecies? -

You "commend the Editor's clever remark"  
to make the varietal names: in cases  
of, - yet you argue against it if I rightly  
understand you.

Logically when we take a neutral simpler  
name for a genus, we should make the  
~~the~~ <sup>genus</sup> neutral too, Thymum serpyllum!!!  
Linnaeus would I suppose make the var B,  
maritimum (T. serpyllum B. vulgaris?) under  
Erythraea (p. 706) he has E. cordata clavata  
which is neutral, followed by occidentalis  
& orientalis; & Citrus aurantium B sinensis  
p. grandis B. thatcheri he has  
p. 479 Pyrus communis B foliata, & poma  
pyram & favosum. followed by

pituitous case, for in her brief intervals this  
is quite charming, & very attractive too - so  
lady-like, utterly unlike her sisters - she has  
been an excellent daughter when same. The  
doctor thinks a change of the woman is  
improving.

I am drawn into by Lyman's Pines.  
I had begun a list of these as cultivated  
for the <sup>new</sup> Report & arranged them  
according to E. system, but when I took to  
verifying his characters I failed altogether,  
as regard (ones lateros & subterminal & as to  
Canals from degeneration & <sup>peripheral</sup> ~~offspring~~. Then  
too I cannot agree to putting Geraciana &  
Bengalana into Holcheria; & to me it  
appears that his group Cambridgea (which  
should include Halpauriana) is quite as  
distinct from Pteris as is Pteris.  
Then together with his Geraciana (&  
Chikahama Resput but have not yet  
beamed) form a very distinct section  
differing from Pteris in the loosely  
indicated long & always deciduous &  
even caducous scales of the leaf-sheath, so  
different from the tight, <sup>pericardial</sup> membranous  
persistent sheath of the Pteris suber.

The characters derived from the  
strengthening cells are very hard to find  
because in the species where they are very

Aug 7/84

Dear J. A. Thousand Thanks for  
your long & kind letter - I shall take the  
varied matter up the first leisure,  
meanwhile I am overwhelmed with work,  
for Dr. is laid up at Eastbourne with  
enlarged liver, I hope only congested, &  
now I must be at Harrogate where his  
wife is I fear dying. So I write chiefly  
to tell you that I have seen Neuridium,  
back again at Witten Place. & as low  
as ever. I sat nearly 3/4 of an hour  
with him but more as a dumb waiter  
than as anything else, for he has no  
interest in any person or thing but  
his own ailments - & does not even ask for  
his old friends or my family. He is  
much emaciated, very pale, & his feet  
are swollen & good deal - He sits on a sofa  
with a small table before him, on which  
he places <sup>now</sup> 2 small pillows & leans forward



burying his forehead in them: - so in  
leaves the dog -

Last week I was in Edinburgh for Monday  
night to Saturday, ~~the~~ with my wife.  
We stayed with Prof. Wilson (agriculture)  
who is Sec. to the College. My only friend there  
now, but J. A. Henry, who is 84 &  
hardly read, knowing no body. I was  
extremely busy with the Society for the Exhibition  
in Chairman of my jury. - The Exhibition is "a  
great shakes" - but - contains some  
very fine exhibits, particularly Japan,  
which is really marvellous, India; &  
for a scientific illustration of seeds & fruits &  
Vilmorin &c. is beyond praise.

I saw a little of Bakewell, who goes on making  
a few capital observations, lastly a  
certain most curious (land) in the  
interstices of the ridges of the peninsula  
of Northampton, & which no doubt secures  
the honey which I observed in the persistence,

but did not follow up as I should have.  
I found the garden & partly improved  
pasture kept. (Myson & wife were  
in Edinburgh, & I had from Aberdeen, &  
young Balfour, <sup>was</sup> for a day at the Exhibition.

Of course my sister & her affairs occupied  
much of my time. She has been even more  
unusually treated than I supposed, & with  
I hope more trust implicitly to me & her  
sisters <sup>anyone</sup>. She is most comfortably lodged  
with 2 ladies who my wife had a long  
talk with: - private, & who will try to be  
present if we be children come to her  
here; what is not more likely that they  
have nothing to get! - The infirmities she  
is not yet called, & poor Maria can  
only blind ignorance & fear of her I am  
furnishing it - & pleading herself to secrecy too,  
what she <sup>for the children</sup> knows under the feeling of the  
being she had done. Poor thing she says, that  
she now knows peace for the first time for  
many years! - her joining have led her  
such a life - I have arranged for her to go  
near to 500! - & put her daughter <sup>Maria</sup> under  
superintendence with a medical man - that is -

very pronounced. Engelm. however gives no  
insignificant bit of <sup>variability</sup> ~~exception~~ at all these  
characters. So too his comments (p. 10) on the  
position of the cones, (subterminal & lateral) show  
that the character is an inconsistent one. In several  
series, <sup>I am puzzled to understand it</sup> of the species with "internal ducts"  
I have only got australis in the Arboretum. It is  
probably a good character.

Engelmann's paper on Pines is such a splendid  
one, such a model of careful observation &  
lucid technique, that I am <sup>doubtless</sup> disappointed  
with it as a systematic attempt. I shall  
however go on with the examination of ducts,  
& strengthening cells as I have got - my hands  
into making "dendrochroites" with the razor.  
I wish I had the patience to mount them  
for future reference.

I am very glad to see your sensible  
remarks on the abuse of cell dimensions in  
making genera of Pines, rather it not being  
to find the tables turned on us, & cells & internal  
tissues taken for diagnostic characters as Phyllanthus  
as I argued with Engelm. Pines with  
Engelmann, & now Cyperus with -  
C.M. Clarke. In h<sup>24</sup> 25 of his paper is  
"Pine leaf. Soc. XXI. - I would not let his  
"punctate warts" are with "a pore in the  
center of the outermost cells through which the  
darken body of the wart is seen". Poor Clarke is  
devoted to the compound microscope, through



which includes signs & wonders which according  
to him are not overlooked & simple  
powers, or doublets or triplets in Coccidiosis  
or Starbuck's Cases. Nevertheless I dare say  
there is a good deal in his observations, though  
I believe him to be a very bad Examiner of  
great he does.

I have no news. Oliver is away on leave.

Ever affly yours

Aug 13. She & I arrived both back, he  
better but not well. She touched up for  
the journey. My little of long health for  
months. Smith still nursing his wife  
at Haverhill. & she awfully ill.  
Col. III. of Frederick Stone is gone to see  
May Hunter for James' muscle.

Paramecia - it is the Lithospermum  
(Quercus) ovalifolia, Don - Fig,  
by Oct 2 1864. <sup>leaf</sup> about as by Don  
in the last volume of Agnes.  
- but it has been in the leaf  
herbarium, Don and Agnes  
is of the same as Don, Don.  
Don makes only a section of  
it.

Aug 19, 1864

Dear Gray,

I write chiefly L. crispata  
you on the Synopsis Flora. which I  
have handed over to R. Heber-  
Grass - for I do not see why  
you should send copies to me,  
the Herb. should buy.

Thanks for note on Bostry-

Spermium -

1864  
Harker has put Myrica  
Paramecia into Montezuma. or  
rather Montezuma, S. B. according to  
Harker though I don't see where - I  
must turn it up.

Do you want a set of *Helioveria*  
litter plants - please measure  
soon -

I am going on with slicing Pine  
leaves, & am convinced that  
Inselmann has made far too  
much of the bundles. & that they do not include  
considerable groups.

I am more than ever assured that  
the *Cembroides* lot, are more akin  
to *Strobilifera* than to *Pseudotsuga* -

*P. hispida* & *Chilomena*, ? *lateisquamis*  
? *strobiliformis*, & ~~*hispida*~~ all go  
with the *Cembroides* lot; - <sup>of the growth</sup> ~~of the same~~

has also a geographical character, -  
as in Mexico & N. America.

I had a cutting of <sup>growth</sup> *Strobilifera* when we were  
in Utah. I found monophylla.

I have no good news. John is very  
sore & out of bed, & John  
Smith is involved up with his  
wife's suffering - the case is now  
promised (ance of the letter &  
the poor thing suffers justly.

I think that she cannot last long.  
I hope she will.

Can you refer me to descriptions  
or send me some of *P. lateisquamis*  
& *strobiliformis*. Inselmann is the  
author of them, but has not  
taken them up in his revision  
nor has he his reflexa, which is  
a strobilifera.

See *My*  
*Strobilifera*

P.S. I have been over to  
Hudson & look up *Myrica*

Sept. 10/84

My dear Gwaz,

Our old friend Brewthorn  
passed away at 1.30 to-day quite  
quietly & <sup>on the whole</sup> very unexpectedly, for he  
had been, for him, passing well  
till last night. - His doctor had  
not anticipated any change & with  
through bronchitis, & some indigestion  
superadded on his weakness.

He has left all directions for his  
funeral, for which no one is to  
be invited but Miss, Dr, Revdly  
& myself. The bulk of his money  
(£5000) goes to Madam Walker.  
£2000 to Sir R. Maynes, £1000 to  
Linnell, £1000 to R.S. Scientific  
Relief fund, £500 to self, 250 each

to John Oliver & Smith, £200 to  
Messrs Smith: an amount of £20 to  
Elizabeth & £50 to Elizabeth &  
an other (I presume). The Furniture  
books, plates, household utensils &  
to me, so also copyright & profits  
of his publications. The rest to  
John Oliver & self to be so handled  
to the advantage of <sup>publishing</sup> history & books as  
I presume or publishing for Oliver.  
How much that will be the <sup>desired</sup> ~~amount~~  
I cannot say, it may be £1000 or  
much more, I should think the  
letter the above was <sup>contained</sup> ~~contained~~ for  
directed to myself.  
He sent for me a few hours  
before he died & I went without  
delay, but he had lost consciousness  
when I arrived & died  $\frac{3}{4}$  of an

hour afterwards.

I have no time for more  
having many letters to write &  
much to do.

Yours affly  
R. B. Hooker.



- After remembrance it is now possessed & believed.  
Balfour is starting it as by far the best  
of his ~~best~~ <sup>the</sup> 2 (two) - he has just got  
a baby however, which may count. - Prob.  
had 0 last year. F. Darwin 40. This is of  
course Joseph, but I believe correct. - The  
centre F.D. has just had a still-born  
baby.

Rever is at me to bring out a new edn of  
Mendel's Mitochondria. I really do not see  
how I can do more than reprint with a  
very few additions.

Well enough I neglected the Mitochondria  
of Mendel's life is the history for  
nature, but that I know I should have  
done for R.S. or L.S. or both. - I have  
checked Oliver with the R.S. one, of which  
he has sent me a sketch, to which I  
must add largely.

Now as to his work, we have taken  
counsel of a first rate Chancery barrister,  
& the result is that the work is worthless  
as regards the clearing of all or any part  
of the residue arising from the sale of  
estate & house property, to the payment  
of legacies to the R.S., L.S. & to the trustees  
for Botanical purposes. All this (probably  
£12000) goes to Madame Watson as  
next of kin. As however the personal  
property is some £17000 then with her

Nov. 13/84

My dear Gray

Your welcome letter of 2<sup>d</sup> is to  
hand, many thanks for it. <sup>concerning</sup>  
My best news is that the R.S. has voted  
one of the Royal medals to Oliver. - to his great  
astonishment & I was going to say Chagrin,  
for you know what measure of man he is.  
Not that he can have been quite un-  
prepared - for his name has been down  
on the list, <sup>for proposed</sup> for some years, & as this list is  
read annually & revised, Oliver heard it  
when he told Theresa. When he did hear  
it (3 years ago) he let up & indignantly  
reprobated the idea that he had had  
any thing to do with it! adding that no one  
had been told him of it, & you can  
imagine Stanley's "quite un-  
likely not" - As it is, it is mainly I've  
done, & a good job too.

Poor Stanley is badly & obliged to relinquish  
work & has retired determined to retire  
when he reaches 60 in my next. He will  
be entitled to a pension of over £1000.  
He was sent off as a boy <sup>3</sup> by weeks ago &  
went to Venice, where he retired last

week for the marriage of one of his daughters  
to a young Englishman. Last Saturday when  
I found him looking somewhat ill &  
white. He left again with his wife on  
Tuesday for Venice, the last coast of Italy  
& Sicily for 4 months. I am very sincerely  
about him for I do love him dearly &  
have the highest esteem for his character  
as a man a father & a friend; Spettinwood's  
death, his <sup>own</sup> absence & poor Ruth being  
crippled with her slight rheumatism makes  
a sad job of our little H. Club. I have  
agreed to go on the Council N.S. during his  
absence, at his earnest desire - so there  
in a poor way reform & make. Happily  
is a very strong Council, with Sharkey, <sup>Darwin</sup> G. Darwin,  
Moseley, Sylvester, the Astronomer Royal, &c.  
I am as nervous before Moseley's place  
as interim, & if the work comes to the  
worst Stokes will I believe accept the  
Presidence.

My fair collectors have come from  
Kutch in Persia, from about 7000 ft. but there  
are no remarkable novelties amongst  
them. On the other hand Thomson has  
brought a small collection from the  
Masai Highlands with the Abyssinian  
Juniper forming forest trees 100 ft. high,

mixed with *Podocarpus*, & the *Calodendron*  
*Capense*!

I have just taken through Sabice for  
Eber Smith. Indeed I wish dear H. had not  
made so many journeys & had not been  
Maurolygon in *Thaerian* which appear to  
me quite absurd. Nevertheless his Sabice  
is a marvellous work & I think that  
considering the <sup>former</sup> state of the work it is his  
master-piece. I do not see how to separate  
*Nepeta* & *Dracocephalus* as he has them.

I have seen the new Ed. of H. Garden &  
Arboretum Guide at last; it has cost me  
more worry than any my life. Of  
course I do not think it shall be on a wholly  
different arrangement. I am now at  
planting in H. H. I. - happily many  
at the expense: No! No! & will come.

I hope that King will supply me with  
*Cuscutaceae* & *Figs*.

DeCandolle has translated my article in  
Berthoullier & I hope sent up a copy, as  
he has bought the *Portmann* which  
I expected, as I did the great part of  
the *Herbarium* of 30000 species which he  
made up for Cambridge out of H. Lermann  
Herb. & has been duplicate & which he sent  
down written up & arranged & sent down  
- (to be reviewed by insects under H. H. can!)



probably enough to pay the Society's & back & leave  
a small residue for future. Of course it is con-  
sistent for Madame Wachen to decline to avail  
herself of a place & the wife of a relations whose  
intentions are so clear & who has left her  
£1000 ~~thoroughly~~ independent which she proposed  
never to have spent.

We have not forgotten you & taking over his effects, I have put aside the notes and which I stored on his writing table in Wilton Place & both which he wrote out every morning & the mornings & evenings. The only other thing I could think of was ~~the~~ a nice simple microscope which he had never used, - that at the Herbarium is kept properly. Though I could send a replacement if you would prefer it to the present one - or can for both. His pocket lens has given to Dr. & I shall be very glad to get to go to the Herbarium Garden.

The Mufslims are dissenting, my poor  
 sister mind scarce <sup>& body too,</sup> going, & she is so curious  
 obstinate that it is difficult to know what  
 to do - she would not hear of her going  
 very the same, going into the army, & I have  
 had to send her to Larnade & let him  
 away from his mother - who would commit  
 any folly he would but he will be, regardless  
 of obligation of any sort, & plunge you into any  
 demand of further exertion <sup>in his regard</sup> - he is the tyro of  
 he has (tyro of Schivantes) - I have advised



I am not for Hawthorne's obituary  
notice for Academy. I am puzzled.

I should dwell a good deal on his  
singleness of purpose, whether in the work  
he did for himself or for others.

His *Miscellaneous* ~~papers~~ <sup>essays</sup> a notice for  
its sake only - but the green *Key* is the  
characteristically optimistic treatment of the  
Latin *Concordance* <sup>the Prose</sup> ~~the~~ <sup>this</sup> & his Prose  
works. In *Sketches*, *Literature* & he has made  
what few manuscript errors & many bad  
errors - in the *Key*. He has ~~himself~~ <sup>himself</sup> ~~spelling~~  
heroically.

In business habits he was unsocial.

I have already mentioned the *Cambridge*  
*Manuscript*.

Look up his notes of visits to Melville  
institutions & the journals of May & 6  
Camp. But May.

For early development of his critical faculty  
& certain <sup>difficult</sup> ~~genre~~ <sup>see</sup> Cat. Pl. *Pyrenees*.

You go ahead with the *Monograph*. I can't  
describe his quiet life as a J. P. at  
Pontreil.

As justice to his magnanimous labors for  
France, & the way he relieved men of



Nov 15 1894

at the disposal of Gen. Plank:

There was a serious defect in his working, - a dislike to tackle a difficulty that arose from want of materials, - he could not interest himself in matters for instance & the American ones were simply scumbled. He would not get the Museum materials, unless unless he came & looked in <sup>two years</sup> ~~on~~ <sup>the</sup> vegetable garden belt.

He was not fond of laborious dissection. He would do any number of short, superficial analyses, but undertake no laborious single investigation.

I think something may be got from a glance at his L. S. addresses.

the 1/2 but no money yet. The  
absolute proof is not yet solved: nor  
the ground rents in Westminster. & other  
things I would care. - As far as I can see  
that. What is, has been £20,000!  
- Hunt of Keaton! I hope the Keaton  
may get £6000 but I have little idea  
as yet.

Charles has bought a picture of  
President / of £600 & saved them  
2 days ago. We shall be here for  
2 weeks & then go to Paris. Where  
I shall go on & down to New.

Wally

B. H. H. H.

June 6/85.

Dear Grey

The Mimuli go on Monday  
with a note to Wodey informing him  
of their preciousness & necessity of  
immediate delivery. I hope they  
may not prove as bad as Torresia  
was to me, as if so you may  
wish that they go to reward the  
Kubarii of the Mermaid & Triton.  
There are certain seasons of which  
the few types & natural specimens  
you have the better you will do  
them.

The Loring, kindly received just  
a time of Hyatt's Garden. half  
pinted - we have a long day  
& 500 people, who seemed to  
be enjoying themselves very much. Loring has

not delivered the package yet:

Thanks for your last on Boraginifera.  
If we / come to a supplement for  
H. B. I. I shall convert thereby

I have done Peppers, in walling  
My "Bacon Stone" now 48 i. alt. Also  
I have ever since been writing small  
sketches in your cipher hand. - They are  
almost impossible to match by leaf;  
✓ & ♂ & ♀ are <sup>all</sup> wanted for every  
species - I have had to undo much  
of Thunberg's work in Fl. Ind. - though  
it is wonderful what he did with  
the materials he had - Maximowicz &  
Redegast over have introduced  
important modifications. - I am now  
at Wassellon, which looks say,  
but do do all Quercus with one tackle  
there! - That with Klatt is  
publishing Schlegel's <sup>Cypripedium</sup> plants:

Nov. Act. - making new chairs of the  
Basil unexcused <sup>scraps</sup> of <sup>Antennaria & Juncus</sup> ~~Compositae~~ &  
being now to <sup>measure</sup> them by his stick  
still more miserable drawings! Then  
we Japan we so have that you  
cannot ever recognize them as Compositae.  
- he must be insane. I am writing  
writing him to suppress them as they  
can only tend to bring up speculation  
bringing into the contempt that is  
fast overhauling it is excessive.  
Japan the plates of Vellozo are  
Gintopod beside those of Klatt,  
besides being made from Japanese  
specimens.

I hear from Maximowicz that Richardson  
is furious with Klatt & by name  
for unreasoning of the Orchid. - for Klatt:  
which he regards as insulting to him!  
The poor man wants I hear to sell  
his Strobilium & if possible I should  
like to get it for him with Klatt's  
help, - if ever that legacy is to  
come, for I get no end of letters about

picture. The draconari is a purple  
- trunk quite white & back looking  
like clouds of chalk! - She has been  
her right hand half of a pale <sup>on long horse</sup> &  
very poor, but will be out & about -  
However she wrote yesterday that she  
really was going to visit in the country  
near Dorbury. Miss Sullivan is  
back from Algeria, looking old.

The draconari station is first rate -  
a copy of Leonard Dr. sitting Philadelphia.

In aff<sup>n</sup>  
J. Hooker

I am at my work but what to do about Lea's  
Planch. I must reprint. Part I. which will  
be 175.

June 18/85

Dear Gray

Have you a copy of the  
So Hooker, if not I can give  
you one of Ed. 2. - which has been  
presented to me; - we have it in  
the library, but the numbering of the  
pages does not exactly tally with Ed. 1. (which we  
have not). This is of no consequence,  
as the plates are identical & come  
near together. Please enclose soon  
of post card, as if you do not want it  
I shall offer it to King.

A Mr. Jones with letter of introd:  
from Sargent, called yesterday, bringing





price of the work considerably & to my  
regret <sup>improving</sup> its book appearance. What  
defects our most is the, <sup>deft</sup> style I am  
sometimes in for knowing that there was  
in the book do want certain  
information that it was <sup>sturdily</sup> adhered  
to going - especially ~~particular~~ <sup>a</sup> notice of many  
most distinct sub-species & ~~other~~ <sup>other</sup> species  
that he would ~~have~~ without listening  
to arguments or the wishes of his readers.

In such cases I visit over the necessary  
matter in brackets at the end of the  
~~species description~~ <sup>the</sup> habitats - In one subject  
I have to make great alterations throughout  
& that is the British habitats & after the  
geographical range of the species - There he  
did not give sufficient attention to &  
has not I think revised since the first  
edition - I have put nothing but  
harsh criticism - Mention here on.

Left me the copy right & as I knew  
he would not ~~be~~ to ~~edit~~ <sup>edit</sup> a new  
edition I have no choice, but to do  
it as he would wish, it done.

Charles is disappointed with  
Ginevra & married early in  
September. Reggie has just

THE CAMP,  
SUNNINGDALE.

July 1875.

My dear George

I am much obliged for the  
cheque £84 5- s. safely received.  
The Gay Rubb. is now reprinted,  
the remainder of the duplicates,  
an enormous mass, - being all  
sent to Maximovitz.

I quite agree, that the acquisitions  
<sup>if possible</sup> should be put into their places  
weekly, but the difficulty is to  
set it ~~for~~ <sup>carefully</sup> done. I am  
constantly bothered by the isolation  
way that the acquisitions are  
intercalated, & often long to push  
them all in myself. - You know  
what a hash even dear good Baker  
can make. However is our only  
man who is both competent &  
careful - & he is too carefully

& a very slow worker,  
otherwise employed, such a job  
looks as if it ought to be long enough  
to any one who would take his  
wit-about brain, but judging  
from results it does not appear to  
be so easy. Then too you must  
remember the enormous area that  
H. Hubbard occupies, & that you  
would really put away a great  
accumulation in an insignificant.

I should think that you would be  
longer than - 82  
the descriptions were very mistletoes.  
You go the round of the building.  
open the cabinet doors, hunt out  
may be put it back <sup>every way</sup> to  
the place & put it back <sup>to its</sup>  
time instead of once!

My people have been trying to  
persuade me & themselves that I am not  
very well & have ordered me here, then  
it really nothing the matter with me  
but I do enjoy this place amazingly, as

much as my father did Inverness. I  
am being employed on the far from  
congenial duty of revising Keuthaus's  
Handbook for a new edition. I don't  
think I will wonder how I proceed. Well,  
the first plan I want to avoid altering  
the character of the book, or touching  
the description part except where I feel  
sure he would wish it. He was  
very fond of the book, perhaps proud of  
it! & whatever its merits & demerits,  
it stands as an integral portion of his  
life's work, of a totally different  
character from the rest. It has a  
large sale, which proves its being  
acceptable, but that would not  
induce me to revise it. For which my  
motivation is the feeling that he would  
wish it to live on, & that I should  
prolong its life. I would far rather  
be at Indian Place. Whether it will  
live is another matter. The publisher  
is determined to adopt a different form  
of paper - running the names, Latin  
through into the same line as the  
descriptions, thus reducing the bulk &

taken his "Bachelors' Pieces"  
degree in Paris. which is very good. for  
a kind of 18. -

We go to Mrs Darwin at Down  
tomorrow for 6 days. - after 10 days  
pretty continuous holiday there.

Dear George - The Amsterdam  
Hotel is inhibited & therefore probably  
in Hamburg to see if he can  
arrange for the purchase of Kichenbuchs,  
British.

We have had nothing wonderful  
in the Marlborough way lately. The  
stopped French war has cut  
off our Mesopotamian supplies, but  
we get constant assurances from  
Central Asia. In Thurn's things  
have not arrived yet. Nothing is

settled about the continuation of  
the Indian Flax. I have asked for  
3 more thick volumes. which  
nearly a Hamiltonian calculation

should print it. Keene is intotable  
about printing. The whole matter for  
Nov & 11. has been 6 months in hand!

& there are still several sheets of

The Index to print. I have  
just finished Lazarus a long  
series, <sup>but</sup> not so difficult as  
I expected.

Yours affly J<sup>n</sup>

J. B. Hooker

Asa Gray Esq  
New

My dear Gray

I saw Dr. Alexander  
to-day who much wished  
to meet you, so I begged  
him to come here at  
any time tomorrow &  
take his chance.

Ever yours

John Hooker

Thursday.



work, which should have had  
Latin Singmires. et cetera:

With best love to Mary &  
kind regards to A. D. & Muelken

My - In affec<sup>n</sup>

R. B. Hooker.

THE CAMP,  
SUNNINGDALE.

May 21/67

Dear Grey

I have yours of 15<sup>th</sup> &  
hope that this will catch you at  
Geneva. You have had I am  
glad to know a good time in  
S. Germany, & what is better, escaped  
a miserable one in Normandy; for  
any thing more disagreeable for  
the season than the weather we  
had here, lately, it would not be  
very to picture. It is still so cold  
that I cannot do without both  
the stove & my study fire.  
Yesterday & day before it blew a  
furious gale, & I never perceived  
a more driving hail storm, than  
we had yesterday. Today it is

better, but cold & blue sky.  
Seymour has rallied considerably, but  
is far too ill to be removed, & very  
unstable. He was arranged for our  
going down to stay to Watling, but  
he has put us off, together with the  
intention of himself coming back  
here. All this is a terrible worry for  
my wife - she was anxious for going  
via Portsmouth & allowing for the  
Victory. Instead of it, H. & S. are going  
to Gibraltar on old Provins & visit  
Spadola at his new house on the  
top of Windhead, - returning on Monday.

From Mr. Gray's letter just received  
we may expect you back about the  
16<sup>th</sup> I suppose. We do hope that  
you will come here, when Mr. Gray  
can fit the slopes, for Seymour has  
a capital campsite.

The Doctor of Science (Hornsey) is  
at sea to me: I think it

is a pity to have made the change.  
It is logical no doubt; but the <sup>D.C. & L.</sup> thing  
is a matter of sentiment. I signed  
no "Hornsey" before it is proclaimed its  
importance. I sincerely hope that they  
will not <sup>abolish it</sup> ~~abolish it~~. Mr. Robert D. C. L. is  
like Maxima. <sup>for an</sup> Hornsey D. Sc., D.D.  
to have the L.L.D. & D.C.L. was being  
in the same boat with men of great  
distinction of all classes: a very different  
honor from each branch of merit  
"padding its own canoe".

I have no news, which is always  
good news. I am still hard at the  
Indian Euphorbiaceae, which are  
extremely difficult. Kuntze has  
thinks overabundant some of the great  
English as Phyllanthus, which has  
no meaning as it stands in G. P. I  
keep up Glochidion, with 60 Indian  
species. I can't conceive why he kept  
up Thesia, whilst lumping so many  
others <sup>from both genera</sup> in Phyllanthus.

Gray has sent the first part of his  
new Malaya Desp., a very important

Symond has manfully walked & talked of  
my 6-Norwalken business. - I can hardly  
believe it -

Yes, we are both well out of the Norwalk  
scheme, but I do not quite see it yet;  
if you & Mr Grey are nearly inclined for  
it, in Aug. or Sept.?

You have indeed had a good  
time in America - & better weather  
than we have had here - when it is  
doubtful at times for wind & cold -  
The snow lay on the railway bank as we  
went to Ipswich on Saturday!; little  
but enough to sweep off.

Let me know if I can do anything  
I can before you arrive. - I hope we  
also go to Cambridge. Foster made a heavy  
offer - if the V.C. did not ask us; I seemed  
to have walked in for to him that to the  
V.C. but he has not heard of it - it  
with respect to entrance is our way to  
the Dances. - with best regards  
Very truly yours M  
Kind regards to Miss Grey.

THE CAMP,  
SUNNINGDALE.

May 27/87.

Mr Grey

Yours of 24<sup>th</sup> received yesterday.  
- My name must come to the end (then)  
from Mr. Price - I have answered  
saying that you authorized me to  
reply even acceptance of the  
honor if offered, & that I hoped  
he would act accordingly; as  
also that we would no doubt  
accept an invitation to the  
Balfours which had also been  
forwarded to you - by a previous  
communication with Price I  
gathered that he & Balfour had  
a working arrangement between them  
that we should be their guests,  
& that Price gave the "pass" to  
Balfour in having the honor of your

Camp, & the boys.

Balfour's letter to you I took the liberty of opening, not desubling but you would write me to do so, & as to your letter from uncertainty. - I have told Balfour that I have demands, & that I had no means to suppose but that Mr. O'Connell would accept their invitation.

We go to the Prince in the 21<sup>st</sup>. I have heard nothing more of Cambridge. I much say I am more desirous that you are at the Emancipation of the L.L.D. - I was at Graham's last Saturday & he would not believe it - but O'Connell, who I saw a Sunday, said it was true & all right! for the champion the abolition of the L.L.D. & giving the honorary letters to D.D., ~~D.D.~~ D.Sc. & V.K. In my mind

the whole significance of the thing vanishes, & I would not give it for that. I am all the more glad that you are to the D. C. L. Oxon, the praiseworthy a man can obtain, & to a foreigner <sup>unusually</sup> so. However you must take the <sup>with</sup> the deed; - H.D.Sc. is the best thing that <sup>can</sup> be offered & you refusing it would <sup>not</sup> <sup>be</sup> <sup>any</sup> <sup>good</sup> <sup>to</sup> <sup>us</sup> <sup>good</sup>. This is a "limited liability"! You are the woman of the 1, who was made L.L.D. of Cambridge - and a year ago, after saying the conceivable <sup>of my standing</sup> <sup>man</sup> <sup>has</sup> <sup>been</sup> <sup>in</sup> <sup>it</sup> <sup>may</sup> <sup>of</sup> <sup>the</sup> <sup>years</sup> <sup>&</sup> <sup>years</sup> <sup>before</sup> <sup>me</sup> <sup>I</sup> <sup>though</sup> <sup>I</sup> <sup>gratituted</sup> <sup>your</sup> <sup>Graham's</sup> <sup>career</sup> <sup>of</sup> <sup>there</sup> <sup>40</sup> <sup>years</sup> <sup>before</sup>! & though I was & had been of year H.D. of Cambridge, Maynooth & Dublin, & D.C.L. of Oxford. "Side is life". None of these things called me as did the devoted contentment of the Treasury for my Naval services & its attempt to relegate me to the bottom of the list of Naval Affairs! I suppose!

seen Salisbury?

Have you seen Ely? We  
could stop there on our  
way to Cambridge.

Now, dearest Mrs Gray,  
there is one thing I trust  
you & Dr Gray will do  
that is make this Camp  
your head quarters to make  
<sup>up</sup> to me for the loss I have  
had in getting no trip with  
you, & the uncertainty of  
my being able to leave  
England <sup>in August or at all this year</sup> is very great.

Do come to us,  
friends & all  
why waste  
your money  
at hotels  
when you are  
THE CAMP,  
UNN, GDAE.  
longing to have  
every minute  
of you!  
Yours lovingly  
H. H. Gray  
June 5/91

It was so kind of  
you to write to me.  
I have enjoyed hearing  
of your enjoyment.  
Dr Gray has been  
very good in writing  
to us so often.

I now write particularly



to send you the  
enclosed.

We have promised  
Mrs Darwin to go to  
her at Cambridge on  
the 18<sup>th</sup> & more than  
half promised for you,  
as we hope so much  
you will go to her with us!

Then on the 21<sup>st</sup> we  
are all to go on to  
Oxford.

Now what will you  
& Dr Gray say to a little  
plan of mine it is to go  
to Salisbury from Oxford  
on the 23<sup>rd</sup> - see  
Stonehenge and return  
here on the 25<sup>th</sup>.  
I believe you have not

THE CAMP,  
SUNNINGDALE.

June 4/87.

Dear George

I have no further  
information from the Cambridge  
authorities. but Mrs Darwin  
writes that she hopes to arrange  
for our all going to her for the  
occasion. She says that the  
day is the 21<sup>st</sup>. Foster said the  
20<sup>th</sup>. so I have written to him  
to ask which is right - of the  
20<sup>th</sup>, of which I have little  
doubt, we must be down  
I suppose on Saturday 18<sup>th</sup>.  
If the 21<sup>st</sup>; we shall have on  
that day to, hurry on to Oxford.

It is a pig that in candles and  
be here by the 8<sup>th</sup>. When there is  
both the Royal Socy. Lecky's Society,  
& the R. Socy. on the same  
evening! The letter in the  
S. Kensington Museum, a lovely  
script also lighted up. - We could  
write with arrange to go to  
both. Mr. Guy knows that  
there are lovely things at S. K.

At last I have sent off the  
first sheets of my Enchiridion to  
printer. I am in terror about  
them. one has to handle the  
materials for years to years  
like one mistakes there is the  
right ones. As to the notes they  
seem to me a fishy lot. at  
best. - I have a notion that the

presence or absence of "obscure" might  
be made more of.

Sydney has marvelously recovered,  
but heart spasms & dropsy have  
driven him back to Chelmsford, which  
had for upward <sup>up</sup> 3 years, kept both  
at bay. - he had left it off for  
a month or so.

To day we have mild weather  
+ rain with W. Wind - yesterday  
I went to town in my thickest great  
coat & in biller N.E. Wind.

We still think a Normandy  
exp. in August.

E. M. V.

B. Hooker

The sheets of your "Elements" are here.

Camp. October 25/87

Dear Gray

We were very glad to get your letter & to know that Mr Gray had a fine paper - we thought much of you. The news for Mr. Paisley is very bad; young Symonds has had a relapse at Long, & was too ill to write. He was weakened by cough, & one lung is affected. It is awfully sad, but Mr Symonds keeps up hopes. & is cheerful, gardening & writing.

I have sent off by another L. Ralston. The mailing took me 2 days. Mr. H. B. I., which I enclosed in - then too I had lost all my former notes & descriptions, together with a map of Antilles for H. B. I. - which I put somewhere before going to Normandy (into little basket? of mine)

Have you got yet. Maule's Ampelodes I think it is <sup>ripe</sup> ~~ripe~~, & doubt not also with the bunch just as the Fig. ~~because~~ (which were better) have. It is a very

hundred pieces of work. & the way in which  
muddled & M. Melvin's habits affect the  
pieces I have taken in mounting.

The Act of Emancipation is deepened, &  
 reminds me of those Maltese ghouls  
 from the base of Malta, <sup>apophyses</sup> to Gubbins' work;  
 he appeared an error in every Emancipation!  
 I am in the same old M.D. 1850

If this is the sort of work that will  
 as pay to do for us we had better  
 shut up. This is "pot. boilers" work.

We are getting Chinese plants in boxes,  
fresh curious things, Olive yesterday  
brought me a Viburnum with the delightful  
leaves of a Horse Chestnut! I do not see  
however the plants are to be put into  
their places. The whole time was spent  
in making & copying out gigantic  
collections; & there an increasing feeling  
after food by the ladies. The number  
of <sup>living plants</sup> ~~living things~~ that came to be named  
is distracting too.

We got a trunk of oak from Winterman's  
wood; it was 200 rings - more  
than I've had - but not decided.

I have no more news of any kind - but can I hope better

for the winter - & shall not be  
going out much if at all.

With best love to Mary  
her dear sister

Belmont

*B. S. Hooker*



THE CAMP,  
SUNNINGDALE.

May 17/90

My dear Mrs Gray

The letter which I  
posted long & day with myself  
you & demands another apology.

I took it to Kew, & so fully  
believed that I should find  
there the answer to your question  
about the names of the  
artist & engraver of the Aitken  
Portrait, that I had written  
as if I had <sup>received</sup> them. Of course I  
intended to add them to the  
letter, but I must stick to  
posting the letter <sup>it</sup> without  
them - Worse still, when I would.

to the Museum, L. take the  
detail, <sup>you want</sup> for the copy hanging  
there - I found it was a  
proof before letter. I so had  
no name at all on it, of  
person, artist or engraver.

I ruffled my head to think  
where the portrait appeared, &  
hit upon Hill's great folio  
work on the sexual <sup>of Linnæus</sup> system, which  
contains beautiful portraits of  
of the middle of end of last century  
may be found in <sup>unfortunately</sup> ~~unfortunately~~  
This is a work of which we  
complete copy was ever published.

Sure enough, Aitken's portrait is  
one of those that should be  
in the work, for it is indeed;  
but though we have two copies,

neither have it. Furthermore we  
collected our copies with that  
the Brit. Mus. & neither  
has that got the Aitken portrait!.

I shall try the Linnean  
Society & let you know the  
result.

I feel awfully ashamed of  
myself.

Perhaps there may be a copy  
of the work at the Harvard Library.  
I fear it is not likely to be in the  
Brit. Library at the Garden, for it  
was very expensive, & scientifically  
worthless.

In shame & humiliation

You can appreciate

J. Hooker

Mussey

Dear Gray

The debaters were in a  
myth.

W

W. W. W.

The

J. D. Hooker

Dear A. S.

If you can please call i  
on you pap i the morning.  
I forgot to tell you that  
Carey called yesterday.

*Fraxinus*

James Keith

*oxyphella*

Handwritten signature: *Handwritten signature*

*Canadensis*

Cinereae, Burc.

nişna

Nana Pers.

*Serratipolia*

*pallida*, Bosc.

*paniculata*

*Caroliniana* Wang.

Ифа, Вос.

Richard, Bos.

Opalus.

We have at them in the  
<sup>& various books</sup>  
 Arboretum, as Americans!

besides the good speech of you

4 Hermann Flors.

Do not trouble about this - write any  
number identically others of spirit ~~and~~ <sup>return to</sup>

My friend Smith was butchered I wish  
of your life, when father & mother  
have been at Chicago?  
Suggest horse at first & a  
chance lot of meat - Rochester  
at night - look for Rochester  
J. 3. 15. 0.





is all the specimen in our Museum,  
since I have had an hour & the  
construction of the top of the skeleton all  
true yet. A very sharp observer  
looking at the <sup>in the Museum</sup> limb, will not  
at first believe the anterior  
limb is; - so utterly is all  
true & distinct.

We are rearranging the whole  
Museum when finished & will  
have a complete list made of  
all American bones. we have

J. S. Huxley

Prof "had out the black" in my  
notion of American civilization  
warming muddy lumber after  
civilization & took it with the  
taxoderm. No doubt the Alps  
has a latitudinal chair  
invented not only southern  
migration - but less (by its  
own snow) but kept the  
Europe. No. of its very cold. Other  
were no warmer <sup>countries</sup> for  
southern migration to today.  
northwest <sup>when the country dried up</sup> ~~and the~~ <sup>of migration?</sup> America?

I find that copies of the Postcard  
 Antislavery List to & Mrs Green &  
 James W. shall send out some  
 more soon & there amongst them.  
 I am ashamed of not sending out the  
 "Address" list. but I have not had  
 opportunity. I have the  
 "Address" list for you, & a copy of  
 my Antislavery Journal which I  
 finished when

Include the amount for  
the photographs - kindly  
send me a receipted bill  
that I may get the money  
back - What else do I  
owe you?

P.S. Yours of Nov 13 to hand

I quite thought that the  
attention of H. Dr. to Sci. D.  
was a blunder & it has  
misled awfully the reading. I  
need not say that it was not  
my doing.

II. I found out the slip in  
Samuel for Joseph too late.

III. I looked up Watson on  
Hampden & found that H.  
representation of Alphen in  
subalpine March. The  
Humboldt range was so poor  
that it did not amount  
to a Flora.

IV. What's meant by seed Pines  
it was to this effect. That



not say as there are but  
 they must have had a  
 very ancestry of their Excess  
 when I allow for their spread  
 & one specimen from each  
 to wait an area. - During the  
 this term we may suppose that  
 the climate was not materially  
 different from present. The  
 time is duration of specimen +  $\frac{1}{2}$   
 ancestry + time for distribution.  
 or some such formula. -

I shall return Friedrich's  
 Engelmann letter next.

You will find that I had forgotten  
all you tell me is yours of March  
18 at Santos & Berlin Plans, for  
my lecture - I having for the  
popular discourse confined myself  
<sup>mainly</sup> to those I think are - ah that I  
had written up for your paper &  
& address; going carefully over all  
with you here & several others.  
It was my letter that I stumbled on  
the case of the "Spanish" "Anti-Slavery"  
audition of letters & words completely  
the returning lampish matter from  
it. I would have consulted you about  
it - I still think you make  
too much of difference of climate  
of E & W. coast. it is not more  
different than climate of East &  
West Europe, & etc. There is no  
such fundamental difference  
of flora, as between N. America  
of the Antilles - America took place  
and has been ~~fixed~~. Killed out of the

Why the Japanese here could not  
have ~~used~~ <sup>used</sup> so much of the same way  
in the M. Court. After all I expect  
that the climates of Japan & California  
are more alike than that of Japan  
& the U. States.

AUG 8 1880

Young Schimper is said to be  
extraordinary clever & hard-working.  
He has been put in charge of the  
Museum at Strasburg, which is  
under the Mayor & <sup>German</sup> Council, - the  
University tried to get it, & the  
Professors have cut young Schimper  
because he took the post. It  
appears that the Museum was old  
Schimper's chief employment; the  
Professors were quite another thing  
& very small.

Young S. has some money & is  
well content to live on his fat  
for a year in Munich or probation  
if he only had a prospect.

For all I hear of those who have  
studied at Strasburg he is a very  
morning, steady, & dependable  
young man for a Professor.  
His whole correspondence about his  
father's death was singularly  
pleasant, honorable & generous.

I have worried Haver into  
getting up a long distribution  
of the vast collections of  
duplicates, in the Museum.  
You will be in time for the  
Scramble! -



Walter to build there too a new house.  
Mr Darwin was very well but not strong.  
Frank has made no further progress with  
the life than copying letters. I am now reading  
his father's account of his own early days.  
What is most interesting to me & which he  
thinks to stress - it tells four parts of the  
life. - the best part I fancy, though a chapter  
or two will hold it all.

George has a Paper published of Astronomy with  
£500 a year & acts as pupil! His purely  
mathematical Astronomy as in 18th Paris  
Astronomy without the stars; - like modern  
History - without <sup>knowing</sup> the plants & Rank  
has a class of 40 in Physiological History -  
no better to present History - Washington  
has no students at all! Homer has a  
large workshop for the manufacture of  
scientific instruments for experimental purposes,  
which he has a partner; it just pays  
the way. Surveys the Aptology men is quoted  
at Frouley, near ~~Stoke~~ <sup>Stoke Newington</sup> (the staff college)  
not far from this. We shall go & see him  
when we settle for the summer term.  
Meanwhile our house at Kew is being  
painted & repaired so we are ~~stuck~~ out,  
& go ~~down~~ down down for the night & for  
Sunday & enjoy the cheap swimming.

Mrs Darwin will keep down say there  
next month & being a keeper of  
relations to stay with her.

Her lab has been wonderfully well  
all the winter is, tempering her,  
but of sorts now, he hardly knows from  
what. I am always in dread of this or  
Smith's breaking down.

My dear friend he has & bid me  
say that she will visit soon to Mrs Fox  
Joy is all well still & as fond as ever of  
Gardening. He speaks French better than  
I can now. but is very dull at criticism.  
He has been very amount of poetry.

Truly Yrs  
J. B. Hooker